

LAUREN KROGH SLONE

Dept. of Psychological and Brain Sciences
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EDUCATION

- Current **Postdoctoral Fellow**
Indiana University
Department of Psychological and Brain Sciences
- 2015 **Ph.D. in Psychology**
University of California, Los Angeles
Developmental & Cognitive Psychology
Dissertation: *Processes Underlying Infants' and Adults' Visual Statistical Learning*
- 2011 **M.A. in Psychology**
University of California, Los Angeles
Developmental & Cognitive Psychology
Thesis: *Behavioral and Physiological Correlates of Mental Rotation in 4.5-Month-Old Infants*
- 2009 **B.S. in Biological Sciences and Psychology**
Carnegie Mellon University
University and College Honors, Dean's List High Honors, Overall GPA: 4.0
Thesis: *The Effect of Action on Causal Perception in 3- and 4½-month-old Infants*

RESEARCH INTERESTS

Cognitive Development	Language Acquisition	Statistical Learning
Developmental Process	Multisensory Learning	Visual Attention

RESEARCH GRANTS AND FELLOWSHIPS

- 2017-2018 National Research Service Award, NICHD
2012-2015 Graduate Research Fellowship, National Science Foundation
2011 Graduate Summer Research Fellowship, UCLA
2010-2012 Jacob K. Javits Graduate Research Fellowship
2010 Graduate Research Mentorship Fellowship, UCLA
2009 Senior Honors Thesis Grant, Carnegie Mellon University
2008, 2009 Small Undergraduate Research Grant, Carnegie Mellon University

ACADEMIC AND PROFESSIONAL HONORS

- 2017 Provost's Travel Award for Women in Science, Indiana University
2016 Poster Award, Fifth Implicit Learning Seminar
2016 Provost's Travel Award for Women in Science, Indiana University

2016	Young Scientist Travel Award, IU Cognitive Science Program and the NSF
2015	Millard Madsen Dissertation Award for Developmental Students, UCLA
2013	Student Travel Award, Society for Research in Child Development
2009	Distinguished University Fellowship, UCLA
2009	Chancellor's Award and Fellowship, UCLA
2009	University and College Honors, Carnegie Mellon University
2009	Senior Leadership Award, Carnegie Mellon University
2009	Psychology Dept. Undergraduate Talk Award, Carnegie Mellon University
2008	Phi Beta Kappa Early Inductee, Carnegie Mellon University
2005-2009	High Honors Dean's List, Carnegie Mellon University
2005-2009	Hoover Memorial Scholarship, Carnegie Mellon University
2005-2009	Robert C. Byrd Honors Scholarship
2005	Creaser Education Foundation Academic Scholarship

PUBLICATIONS

*I previously published under the last name Krogh.

Slone, L. K. & Sandhofer, C. M. (2017). Consider the category: The effect of spacing depends on individual learning histories. *Journal of Experimental Child Psychology*, *159*, 34-49.

Sandhofer, C. M., Atagi, N., Schonberg, C., & **Slone, L. K.** (2016). Developmental psychology (Cognitive). In D. S. Dunn (Ed.), *Oxford Bibliographies in Psychology*. New York: Oxford University Press.

Slone, L. K., & Johnson, S. P. (2015). Infants' statistical learning: 2- and 5-month-olds' segmentation of continuous visual sequences. *Journal of Experimental Child Psychology*, *133*, 47-56.

Slone, L. K. & Johnson, S. P. (2015). Statistical and chunking processes in adults' visual sequence learning. In D. C. Noelle, R. Dale, A. S. Warlaumont, J. Yoshimi, T. Matlock, C. D. Jennings, & P. P. Maglio (Eds.), *Proceedings of the 37th Annual Conference of the Cognitive Science Society* (pp. 2218-2223). Austin, TX: Cognitive Science Society.

***Krogh, L.**, Vlach, H., & Johnson, S. P. (2013). Statistical learning across development: Flexible yet constrained. *Frontiers in Language Sciences*, *3*, 598.

Rakison, D. H. & ***Krogh, L.** (2012). Does causal action facilitate causal perception in infants younger than 6 months of age? *Developmental Science*, *15*, 43-53.

***Krogh, L.** (2012). An innovative approach to the study of word learning biases. *Frontiers in Psychology*, *3*, 48.

Vlach, H., ***Krogh, L.**, Thom, E., & Sandhofer, C (2010). Doing with development: Moving toward a complete theory of concepts. *Behavioral and Brain Sciences*, *33*, 227-228.

MANUSCRIPTS UNDER REVIEW

Smith, L. B. & **Slone, L. K.** (under review). A developmental approach to deep learning?

Slone, L. K., Smith, L. B., & Yu, C. (under review). Self-generated variability in object images predicts later vocabulary size.

Slone, L. K. & Johnson, S. P. (under review). *When learning goes beyond statistics: Infants represent visual sequences in terms of chunks.*

Vessel, E. A., Burakowski, L., **Slone, L. K.**, & Johnson, S. P. (under review). *What we like before we know better: Infant preferences in the absence of semantics.*

CONFERENCE PRESENTATIONS

Slone, L. K. & Suarez-Rivera, C. (2017). *Seeing things from the infants' view: How infant and caregiver engagement during play promotes early learning.* Talk presented at Bridging Early Connections: Indiana Infant Toddler Institute, Indianapolis, IN.

Slone, L. K. Smith, L. B. & Yu, C. (2017). *Self-generated variability in object images predicts later vocabulary size.* Poster presented at the Cognitive Development Society Biennial Conference, Portland, OR.

Slone, L. K. Abney, D. H., Smith, L. B. & Yu, C. (2017). *The burstiness of parents' utterances: classification of vocal temporal structure during parent-child naturalistic interaction.* Poster presented at the International Conference on Interdisciplinary Advances in Statistical Learning, Bilbao, Spain.

Johnson, S. P. & **Slone, L. K.** (2017). *Statistical learning in infancy: Transitional probabilities or perceptual primitives?* Talk presented at the International Conference on Interdisciplinary Advances in Statistical Learning, Bilbao, Spain.

Slone, L. K., Atagi, N. & Sandhofer, C. M. (2017). *Selection, Memory, and Inhibition Processes in Young Children's Novel Word Learning.* Poster presented at the Society for Research in Child Development Biennial Conference, Austin, TX.

Slone, L. K., Abney, D. H., Smith, L. B. & Yu, C. (2017). *The Burstiness of Parents' Utterances: Classification of Vocal Temporal Structure during Parent-Child Naturalistic Interaction.* Talk presented at the Society for Research in Child Development Biennial Conference, Austin, TX.

Abney, D. H., Jayaraman, S., Fausey, C. M., **Slone, L. K.** & Smith, L. B. (2017). *Burstiness Dynamics and Nested Information in Naturalistic Infant-Perspective Scenes.* Poster presented at the 2nd Biennial International Convention of Psychological Science, Vienna, Austria.

Slone, L. K., Smith, L., & Yu, C. (2016). *Infants' Developing Coordinated Visual-Manual Object Exploration and Links with Vocabulary Development.* Poster presented at the 38th Annual Conference of the Cognitive Science Society, Philadelphia, PA.

- Slone, L. K. & De Leeuw, J. (2016).** *Modeling the Factors Underlying Adults' Confidence Judgments in a Visual Statistical Learning Task.* Poster presented at the Fifth Implicit Learning Seminar, Lancaster, UK. Lancaster University Poster Prize.
- Slone, L. K., Kim, H. I., & Johnson, S. P. (2016).** *Visual Finite State Grammar Learning in 5- and 12-month-old Infants.* Poster presented at the 20th Biennial International Conference on Infant Studies, New Orleans, LA.
- Slone, L. K. & Johnson, S. P. (2016).** *Familiarity Constraints on Infants' Visual Statistical Learning: Infants Learn Patterns of Faces, but not Shapes.* Poster presented at the 20th Biennial International Conference on Infant Studies, New Orleans, LA.
- Slone, L. K. & Johnson, S. P. (2015).** *Processes Underlying Infants' and Adults' Visual Statistical Learning.* Paper presented at the International Conference on Interdisciplinary Advances in Statistical Learning, San Sebastian, Spain.
- Slone, L. K. & Johnson, S. P. (2015).** *Statistical and Chunking Processes in Infants' and Adults' Visual Statistical Learning.* Poster presented at the Society for Research in Child Development Biennial Conference, Philadelphia, PA.
- Slone, L. K., Kim, H. I., & Johnson, S. P. (2015).** *Infants Track Transitional Probabilities in Continuous Sequences of Faces but not Shapes.* Poster presented at the Society for Research in Child Development Biennial Conference, Philadelphia, PA.
- Slone, L. K. & Johnson, S. P. (2014).** *Statistical Segmentation of Visual Sequences in Infancy.* Paper presented at the 2014 Symposium on Cognition and Language Development, Los Angeles, CA.
- Slone, L. K. & Johnson, S. P. (2013).** *Constraints on statistical learning in infancy.* Paper presented at the 8th Biennial Meeting of the Cognitive Development Society, Memphis, TN.
- *Krogh, L., Moore, D. S., & Johnson, S. P. (2013).** *Infants' Visual-Manual Object Exploration and Mental Rotation Performance.* Paper presented at the Society for Research in Child Development Biennial Conference, Seattle, WA.
- *Krogh, L. & Sandhofer, C. M. (2013).** *Consider the Category: The Effect of Spacing Depends on the Material to be Learned.* Poster presented at the Society for Research in Child Development Biennial Conference, Seattle, WA.
- *Krogh, L. & Johnson, S. P. (2012).** *Infants' visual statistical learning: Sensitivity to transitional probabilities and stimulus complexity.* Poster presented at the 18th Biennial International Conference on Infant Studies, Minneapolis, MN.
- *Krogh, L. & Sandhofer, C. M. (2012).** *Close together or apart in time? The interaction of presentation timing and category membership in young children's generalization.* Paper presented at the Symposium on Cognition and Language Development, San Diego, CA.
- *Krogh, L. & Johnson, S. P. (2011).** *Statistical learning in infancy.* Poster presented at the 7th Biennial Meeting of the Cognitive Development Society, Philadelphia, PA.

***Krogh, L.** (2011). *Behavioral and physiological correlates of mental rotation in infancy*. Paper presented at the Symposium on Cognition and Language Development, Los Angeles, CA.

***Krogh, L.**, Moore, D. S., & Johnson, S. P. (2011). *Visual-manual object exploration and mental rotation in infancy*. Poster presented at the Society for Research in Child Development Biennial Conference, Montreal, Canada.

Burakowski, L., Vessel, E. A., Johnson, S. P., & ***Krogh, L.** (2011). *Unlike Adults, Infants' Visual Preferences are Driven by Lower-Level Visual Features*. Poster presented at the Vision Sciences Society Annual Conference, Naples, FL.

***Krogh, L.** & Rakison, D.H. (2009). *The effect of action on causal perception in 3- and 4 1/2-month-old infants*. Paper presented at the Meeting of the Minds Undergraduate Research Symposium, Pittsburgh, PA. Department of Psychology Talk Prize.

***Krogh, L.**, Eckert, C., & Kucherer, S. (2008). *Infants' understanding of self-propulsion*. Poster presented at the Meeting of the Minds Undergraduate Research Symposium, Pittsburgh, PA.

PROFESSIONAL, DEPARTMENTAL, AND COMMUNITY SERVICE

AD HOC REVIEWER

Cognitive Development

Developmental Psychology

Developmental Science

Frontiers in Developmental Psychology

Frontiers in Human Neuroscience

Infancy

Infant and Child Development

International Journal of Pediatric Otorhinolaryngology

Journal of Cognition and Development

Journal of Experimental Child Psychology

PLoS ONE

Translational Issues in Psychological Science

CONFERENCE ORGANIZER

2014 Symposium on Cognition and Language Development

CONFERENCE SUBMISSION REVIEWER

2017 Cognitive Science Society Annual Meeting

2016 SRCD Biennial Meeting

2014 SRCD Biennial Meeting

2014 UCLA Psychology Undergraduate Research Conference

2014 Symposium on Cognition and Language Development

DEPARTMENTAL SERVICE

2015 Psychology Graduate Student Writing Group Organizer and Leader

2010-2011 Developmental Speaker Series Organizing Committee
 2010 Developmental Psychology Graduate Student Admissions Recruitment

OTHER SERVICE AND ACTIVITIES

2016 Research lab tours for middle school students, Boys & Girls Clubs members
 2010 UCLA Psychology in Action newsletter author

PROFESSIONAL AFFILIATIONS

Cognitive Development Society	Phi Beta Kappa
Cognitive Science Society	Psi Chi
International Congress on Infant Studies	Society for Research in Child Development

TEACHING EXPERIENCE

2018 Spring	Instructor , IU Department of Psychological and Brain Sciences Psychology 429, Lab in Developmental Psychology
2012-2015	Writing Consultant , UCLA Graduate Writing Center Selected workshops designed for and presented to graduate students: <i>“Principles of Scientific Writing”</i> <i>“An Introduction to Publishing Journal Articles”</i> <i>“An Introduction to Writing Review Articles”</i> <i>“Writing Successful Grant and Fellowship Applications”</i> <i>“Writing a Dissertation in the Sciences”</i>
2015 Spring	Guest Lecturer , UCLA Department of Psychology Psychology 131, Research Methods in Developmental Psychology
2013 Spring	Teaching Assistant , UCLA Department of Psychology Psychology 120B, Sensation and Perception Overall median student rating: 9/9
2012 Spring	Guest Lecturer , UCLA Department of Psychology Psychology 134A, Applied Developmental Psychology I
2011 Summer	Teaching Assistant , UCLA Department of Psychology Psychology 134B, Applied Developmental Psychology II Overall median student rating: 9/9
2011 Spring	Guest Lecturer , UCLA Graduate School of Education & Information Studies Education 402, Infant-Toddler Development and Care
2011 Spring	Teaching Assistant , UCLA Department of Psychology Psychology 134A, Applied Developmental Psychology I Overall median student rating: 8/9

2011 Winter **Teaching Assistant**, UCLA Department of Psychology
Psychology 101, General Psychology Lab
Overall median student rating: 9/9

2010 Summer **Teaching Assistant**, UCLA Department of Psychology
Psychology 134F, Infant Care and Development
Overall median student rating: 9/9

MENTORSHIP EXPERIENCE

Mentor to Graduate Students:

2017 Braden Smith, Indiana University
2016-2017 Chuan Luo, Indiana University

Mentor to Undergraduate Research Assistants:

2017-present Lindsay Ford, Indiana University
2017-present Shraya Patel, Indiana University
2017-present Elizabeth Cage, Indiana University
2017 Andrea Silvernell, Indiana University
2017 Kurtis Smallword, Indiana University
2016-2017 Alex LaShell, Indiana University
2016 Madeleine Foley, Indiana University
2015-present Nour Hajinabi, UCLA
2014-2015 Briana Kaplan, UCLA
2014-2015 Kristen Gonzalez, UCLA
2014-2015 Leanna Maaz, UCLA
2013-2015 Cynthia Huang, UCLA
2013-2014 Kortney Sasaki, CSU Fullerton
2012-2014 Lana Halavi, UCLA
2011-2014 Lyndsie Okumura, UCLA
2012-2013 Hasmik Tokadjian, UCLA
2012-2013 Diane Motamed, UCLA
2012-2013 Maggie Andersen, UCLA
2011-2012 Laura Colosimo, UCLA
2011-2012 Maribel Ramos, UCLA
2011-2012 Justina Taban, UCLA
2010-2012 Elena Arciniega-Hernandez, UC Riverside