

## **Kasey C. Soska**

### Curriculum Vitae

#### **CONTACT**

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#### **POSITIONS**

- 2018—present Science Director, Play & Learning Across a Year (PLAY) Project  
Institute of Human Development & Social Change,  
New York University, New York, NY  
PIs: Karen Adolph, Catherine Tamis-LeMonda, Rick Gilmore
- 2016—2018 Research Support Specialist, Databrary  
Institute of Human Development & Social Change,  
New York University, New York, NY
- 2013—2018 Postdoctoral Research Associate, Department of Psychology  
Florida International University, Miami, FL  
Sponsor: Lorraine Bahrack
- 2010—2013 Postdoctoral Research Associate, Department of Psychology  
University of Virginia, Charlottesville, VA  
Sponsors: Judy DeLoache, Rachel Keen

#### **EDUCATION**

- 2005—2010 Ph. D., Experimental/Developmental Psychology  
New York University, New York, NY  
Advisors: Karen Adolph, Scott Johnson
- 2005—2008 M. A., Psychology  
New York University, New York, NY
- 2001—2005 B. S., Psychology (with honors and highest distinction)  
The Pennsylvania State University, University Park, PA

#### **AWARDS & HONORS**

- 2013 NIH Travel Award, International Society for Developmental Psychobiology
- 2011 Outstanding Dissertation Award, Society for Research in Child Development
- 2010 Dissertation Award, International Society on Infant Studies
- 2010 Best Paper Award, Eye-Tracking Research & Applications
- 2009 Sandra Wiener Award, International Society for Developmental Psychobiology
- 2009 Martin Braine Memorial Fellowship, New York University
- 2009 Student Travel Award, Society for Research in Child Development
- 2008 NIH Travel Award, International Society for Developmental Psychobiology
- 2008 Student Travel Grant, International Society on Infant Studies
- 2007 Travel Grant, Graduate School of Arts and Sciences, New York University
- 2007 Elsevier/Vision Research Travel Award, Vision Sciences Society
- 2006 Travel Grant, Graduate School of Arts and Sciences, New York University
- 2005 Charles N. Cofer Memorial Award in Psychology, Penn State University
- 2004 Paul R. Cornwell Memorial Scholarship in Psychology, Penn State University
- 2004 Mona Shibley Bird Memorial Scholarship in Psychology, Penn State University

**PUBLICATIONS**

\*student advisee co-author

Bahrack, L. E., Todd, J. T., & Soska, K. C. (2018). The Multisensory Attention Assessment Protocol (MAAP): Characterizing individual differences in multisensory attention skills in infants and children and relations with language and cognition. *Developmental Psychology, 54*, 2207-2225.

Bahrack, L. E., Soska, K. C., & Todd, J. T. (2018). Assessing individual differences in the speed and accuracy of intersensory processing in young children: The Intersensory Processing Efficiency Protocol. *Developmental Psychology, 54*, 2226-2239.

Rachwani, J., Soska, K. C., & Adolph, K. E. (2017). Behavioral flexibility in learning to sit. *Developmental Psychobiology, 59*, 937-948.

Soska, K. C., Robinson, S. R., & Adolph, K. E. (2015). A new twist on old ideas: How sitting reorients crawlers. *Developmental Science, 18*, 206-218.

Soska, K. C., & Adolph, K. E. (2014). Postural position constrains multimodal object exploration in infants. *Infancy, 19*, 138-161.

Ekberg, T., Rosander, K., von Hofsten, C., Olsson, U., Soska, K. C., & Adolph, K. E. (2013). Dynamic reaching in infants during monocular and binocular viewing. *Experimental Brain Research, 229*, 1-12.

Soska, K. C., & Johnson, S. P. (2013). Development of three-dimensional completion of complex objects. *Infancy, 18*, 325-344.

Soska, K. C., Galeon, M. A. \*, & Adolph, K. E. (2012). On the other hand: Overflow movements of infants' hands and legs during unimanual object exploration. *Developmental Psychobiology, 54*, 372-382.

Franchak, J. M., Kretch, K. S., Soska, K. C., & Adolph, K. E. (2011). Head-mounted eye-tracking: A new method to describe infant looking. *Child Development, 82*, 1738-1750.

Soska, K. C., Adolph, K. E., & Johnson, S. P. (2010). Systems in development: Motor skill acquisition facilitates three-dimensional object completion. *Developmental Psychology, 46*, 129-138.

Franchak, J. M., Kretch, K. S., Soska, K. C., Babcock, J. S., & Adolph, K. E. (2010). Head-mounted eye-tracking of infants' natural interactions: A new method. *Proceedings of the 2010 Symposium on Eye Tracking Research & Applications* (pp. 21-27), Austin, TX. [Best Paper Award]

Soska, K. C., & Johnson, S. P. (2008). Development of three-dimensional object completion in infancy. *Child Development, 79*, 1230-1236.

Johnson, S. P., & Soska, K. C. (2008). Object concept. In M. M. Haith and J. B. Benson (Eds.), *Encyclopedia of Infant and Early Childhood Development* (Vol. 2, pp. 469-478). San Diego, CA: Elsevier.

**RESEARCH FEATURES IN PUBLIC MEDIA**

2011 'Eye-Tracking Device Travels with Toddlers', [Spectrum](#)

2010 'New Studies Reveal Infants' World of Vision', [Voices of America](#)

2010 'Looking This Way and That, Learning to Adapt to the World', [New York Times](#)

**INVITED TALKS**

2015	University of Miami, Developmental Area
2014	Florida International University, Center for Children and Families
2013	Oakland University, Department of Psychology
2013	East Tennessee State University, Department of Psychology
2013	University of Edinburgh, Department of Psychology
2013	University of Virginia, Department of Psychology, Cognitive Area
2012	University of Virginia, Department of Psychology, Developmental Area
2012	Stanford University, Department of Psychology
2011	University of Virginia, Department of Psychology, Cognitive Area
2010	University of Virginia, Department of Psychology, Developmental Area
2010	University of Wisconsin-Madison, Department of Psychology

**CONFERENCE TALKS**

\*student advisee co-author

- Soska, K. C., Adolph, K. E., & Robinson, S. R. (2015, March). Real-time switches in postural position affect access to perceptual information in crawling infants. Talk presented at the Society for Research in Child Development meeting, Philadelphia, PA.
- Kondrad, R. L., Soska, K. C., Keen, R. E., & DeLoache, J. S. (2013, April). "Hi Grandma!" Very young children's understanding of video chat interactions. Talk presented at the Society for Research in Child Development meeting, Seattle, WA.
- DeLoache, J. S., Soska, K. C., & Pickard, M. B. (2013, April). Of beasts and babies: Human infants' interest in non-human animals. Talk presented at the Society for Research in Child Development meeting, Seattle, WA.
- Soska, K. C. (2011, April). Opportunities for learning about object properties: The primacy of posture. Talk presented at the Society for Research in Child Development meeting, Montreal, QC.
- Adolph, K. E., Franchak, J. M., Kretch, K. S., & Soska, K. C. (2011, April). Head-mounted eye-tracking: A novel method to describe active vision in natural environments. Talk presented at the Society for Research in Child Development meeting, Montreal, QC.
- Soska, K. C., Lurie, A. L.\*, Robinson, S. R., & Adolph, K. E. (2010, November). Spontaneous transitions between crawling and sitting postures during infant locomotion. Talk presented at the International Society for Developmental Psychobiology meeting, San Diego, CA.
- Kiorpes, L., von Trapp, G., Pham, A.\*, Lingeman, J., Soska, K. C., Adolph, K. E., von Hofsten, C., & Rosander, K. (2010, May). Developmental studies of visual-motor integration: A comparative approach. Talk presented at the Vision Sciences Society meeting, Naples, FL.
- Franchak, J. M., Kretch, K. S., Soska, K. C., & Adolph, K. E. (2010, March). Visual exploration during natural interactions: Head-mounted eye-tracking with mobile infants. Talk presented to the International Conference on Infant Studies, Baltimore, MD.

- Soska, K. C., Galeon, M. A.\*, & Adolph, K. E. (2009, October). On the other hand: Spontaneous movements of the free hand during unimanual object exploration in infants. Talk presented at the International Society for Developmental Psychobiology meeting, Chicago, IL. [Sandra Weiner Award]
- Franchak, J. M., Kretch, K. S., Soska, K. C., & Adolph, K. E. (2009, October). Head-mounted eye-tracking of infants during natural interaction. Talk presented at the International Society for Developmental Psychobiology meeting, Chicago, IL.
- Soska, K. C., & Adolph, K. E. (2009, July). Dynamic reaching in infants. Talk presented at the International Conference on Perception and Action, Minneapolis, MN.
- Soska, K. C., & Adolph, K. E. (2008, November). Posture changes infants' visual-manual exploration of objects. Talk presented at the International Society for Developmental Psychobiology meeting, Washington, D.C. [NIH Travel Award]

### **CONFERENCE POSTERS**

\*student advisee co-author

- Herzberg, O., DeCamp, C., Fletcher, K., Schatz, J., Soska, K. C., Tamis-LeMonda, C., & Adolph, K. E. (2018, July). Infants spend immense amounts of time interacting with objects during everyday play at home. Poster presented at the International Congress on Infant Studies, Philadelphia, PA.
- McNew, M., Todd, J. T., Soska, K. C., Edgar, E., & Bahrack, L. E. (2018, July). Talking to babies: Parent language input at 3 months predicts child vocalizations at 18 months. Poster presented at the International Congress on Infant Studies, Philadelphia, PA.
- Soska, K. C., Todd, J. T., McNew, M., & Bahrack, L. E. (2018, July). Intersensory matching to social events at 1 year and its developmental growth predict receptive vocabulary at 18 months. Poster presented at the International Congress on Infant Studies, Philadelphia, PA.
- Todd, J. T., McNew, M. E., Soska, K. C., & Bahrack, L. E. (2017, April). Assessing the cost of competing stimulation on attention to multimodal events: Longitudinal findings from 3 to 12 months. Poster presented at the meeting of the Society for Research in Child Development, Austin, TX.
- Bahrack, L. E., McNew, M., Todd, J. T., & Soska, K. C. (2016, November). Relations among indices of attention to audiovisual events emerge between three to twelve months of age. Poster presented at the International Society for Developmental Psychobiology meeting, San Diego, CA.
- Soska, K. C., Todd, J. T., & Bahrack, L. E. (2016, May). Individual differences in growth rate of intersensory processing are related to early language skills. Poster presented at the International Congress on Infant Studies, New Orleans, LA.
- Todd, J. T., Soska, K. C., & Bahrack, L. E. (2016, May). Attention to multimodal events from 3 to 12 months: Developmental differences are magnified by competing stimulation. Poster presented at the International Congress on Infant Studies, New Orleans, LA.
- Rachwani, J., Soska, K. C., von Hofsten, C., Rosander, K., & Adolph, K. E. (2016, May). Infants plan prehension while pivoting. Poster presented at the International Congress on Infant Studies, New Orleans, LA.

- Rachwani, J., Soska, K. C., Hurwitz, L.\*, & Adolph, K. E. (2016, May). Infants' adaptation to a sloping SITUation: Maintaining balance while sitting on a sloping surface. Poster presented at the International Congress on Infant Studies, New Orleans, LA.
- Bahrack, L. E., Soska, K. C., & Todd, J. T. (2015, October). Selective looking to audiovisual redundancy: A new method demonstrates fine-grained, acoustically-driven visual exploration in young children. Poster presented at the Cognitive Development Society meeting, Columbus, OH.
- Soska, K. C., Todd, J. T., Costales, A., & Bahrack, L. E. (2015, March). Individual differences in intersensory processing efficiency for dynamic events predict infant language and cognitive functioning. Poster presented at the Society for Research in Child Development meeting, Philadelphia, PA.
- Todd, J. T., Soska, K. C., Costales, A., & Bahrack, L. E. (2015, March). The emergence of social attention: Maintenance and disengagement of attention to social and nonsocial events from 3 to 6 months. Poster presented at the Society for Research in Child Development meeting, Philadelphia, PA.
- Bahrack, L. E., Suanders, J. F., Bein, V., Todd, J. T., & Soska, K. C. (2015, March). The development of infant discrimination of the tempo of speech: An extended reliance on temporal synchrony. Poster presented at the Society for Research in Child Development meeting, Philadelphia, PA.
- Bahrack, L. E., Soska, K. C., Todd, J. T. Saunders, J. F., & Bein, V. (2014, July). Assessing individual differences and age-related changes in intersensory processing across infancy: A new method. Poster presented at the International Conference on Infant Studies, Berlin, Germany.
- Todd, J. T., Saunders, J. F., Bein, V., Soska, K. C., & Bahrack, L. E. (2014, May). Relations between basic indices of attention to social events and language in children with Autism Spectrum Disorders and typically developing children. Poster presented at the International Meeting for Autism Research, Atlanta, GA.
- Soska, K. C., Hurwitz, L. B.\*, & Adolph, K. E. (2013, November). Adaptive balance control strategies during infant sitting. Poster presented at the International Society for Developmental Psychobiology meeting, San Diego, CA. [NIH Travel Award]
- Palmquist, C. M., Soska, K. C., Jaswal, V. K., & Keen, R. E. (2013, April). Enhancing the mind's eye: Imagining a solution to a spatial problem improves gaze behaviors. Poster presented at the Society for Research in Child Development meeting, Seattle, WA.
- Kondrad, R. L., DeLoache, J. S., Soska, K. C., & Keen, R. E. (2012, June). Who's on the computer? What toddlers learn from video-chatting. Poster presented at the International Conference on Infant Studies, Minneapolis, MN.
- Soska, K. C., Lillard, A. S., Keen, R. E., Grenell, A. K.\*, & DeLoache, J. S. (2011, October). Paws and affect: Infants' affective responses to cat biological motion. Poster presented at the Cognitive Development Society meeting, Philadelphia, PA.
- Lingeman, J., Pham, A.\*, Soska, K. C., Adolph, K. E., Rosander, K., von Hofsten, C., & Kiorpes, L. (2010, November). Visually-guided reaching: Parallels between human and non-human primates. Poster presented at the International Society for Developmental Psychobiology meeting, San Diego, CA.

- Soska, K. C., Adolph, K. E., Rosander, K., & von Hofsten, C. (2010, March). Dynamic reaching in infants: Prospective control in the context of ongoing movement. Poster presented at the International Conference on Infant Studies, Baltimore, MD.
- Soska, K. C., Galeon, M. A. \*, & Adolph, K. E. (2010, March). Breaking symmetry: Spontaneous movements of hands and legs during unimanual object exploration in infants. Poster presented at the International Conference on Infant Studies, Baltimore, MD.
- Soska, K. C., & Johnson, S. P. (2010, March). Further developments of 3D object completion: Effects of sex and stimulus complexity. Poster presented at the International Conference on Infant Studies, Baltimore, MD.
- Soska, K. C., & Adolph, K. E. (2009, April). Infants' posture affects visual and haptic exploration of object properties. Poster presented at the Society for Research in Child Development meeting, Denver, CO. [SRCDD Travel Award]
- Soska, K. C., & Johnson, S. P. (2009, April). Stimulus complexity affects infants' 3D object completion. Poster presented at the Society for Research in Child Development meeting, Denver, CO. [SRCDD Travel Award]
- Soska, K. C., Adolph, K. E., & Johnson, S. P. (2008, March). 3D object completion develops with infants' visual-manual exploration. Poster presented to the International Conference on Infant Studies, Vancouver, BC. [ISIS Travel Award]
- Soska, K. C., Adolph, K. E., & Johnson, S. P. (2007, May). 3D object completion develops through infants' manual exploration. Poster presented at the Vision Sciences Society meeting, Sarasota, FL. [Elsevier/Vision Research Travel Award]
- Soska, K. C., & Johnson, S. P. (2007, March). Infants' manual exploration supports the development of 3D object completion. Poster presented at the Society for Research in Child Development meeting, Boston, MA.
- Soska, K. C., & Johnson, S. P. (2006, June). The development of 3D object completion. Poster presented at the International Conference on Infant Studies, Kyoto, Japan.
- Soska, K. C., & Johnson, S. P. (2006, May). Development of 3D object completion in infancy. Poster presented at the Vision Sciences Society meeting, Sarasota, FL.
- Soska, K. C., & Gilmore, R. O. (2006, May). Optic flow aids in the formation of cognitive maps. Poster presented at the Vision Sciences Society meeting, Sarasota, FL.
- Holmes, M. J., Dahlin, M., Soska, K. C., & Gilmore, R. O. (2004, May). Keep 'em guessing: Detecting systematic versus random responding in psychophysical tests of infants' optic flow discrimination. Poster presented at the International Conference on Infant Studies, Chicago, IL.
- Holmes, M. J., Soska, K. C., Gilmore, R. O., & Dahlin M. (2004, May). What are they looking at? Investigating alternative salient cues in displays of optic flow that may influence infants' orienting. Poster presented at the Vision Sciences Society meeting, Sarasota, FL.
- Gilmore, R. O., Holmes, M. J., & Soska, K. C. (2004, May). Distinguishing stimulus-driven behavior from random responding in psychophysical tests of infants' optic flow discrimination. Poster presented at the Vision Sciences Society meeting, Sarasota, FL.

**TEACHING EXPERIENCE****Courses & Lectures:**

- 2014–2016 Co-Instructor, ‘Infant Development Lab’  
Florida International University, Miami, FL
- 2013 Guest Lecturer, ‘Lifespan Development’  
University of Virginia, Charlottesville, VA
- 2011 Guest Lecturer, ‘Infancy’  
University of Virginia, Charlottesville, VA
- 2010 Teaching Assistant, ‘Lab in Infancy Research’  
New York University, New York, NY
- 2009 Instructor, ‘Developmental Psychology’  
New York University, New York, NY
- 2009 Teaching Assistant, ‘Lab in Infancy Research’  
New York University, New York, NY
- 2007 Teaching Assistant, ‘Developmental Psychology’  
New York University, New York, NY
- 2006 Teaching Assistant, ‘Developmental Psychology’  
New York University, New York, NY

**Research Mentor:**

- Advised 7 undergraduate honors theses & 10 independent research projects
- Mentored student in FIU’s Advanced Research and Creativity in Honors Program (2016)
- Mentored student in FIU’s Ronald E. McNair Post-Baccalaureate Achievement Program (2015)
- Mentored 2 students with support from NYU’s Dean’s Undergraduate Research Fund (2010)

**WORKSHOPS & SPONSORED EVENTS**

- 2018 Play & Learning Across a Year (PLAY) Project launch summit  
Pre-conference event, International Congress on Infant Studies,  
Philadelphia, PA
- 2017 Coding, Sharing, and Reusing Video Data with Databrary and Datavyu  
Luncheon workshop, Cognitive Development Society, Portland, OR
- 2017 Coding, Sharing, and Reusing Video Data with Databrary and Datavyu  
Pre-conference event, Society for Research in Child Development, Austin, TX
- 2016 Video-Based Communal Data Collection and Coding: Advancing the Science  
of Infant Learning and Development  
Sponsored workshop, NICHD, Bethesda, MD
- 2015 Coding and Sharing Video with Databrary and Datavyu  
Pre-conference event, Society for Research in Child Development,  
Philadelphia, PA
- 2011 Data Coding, Analysis, Archiving, and Sharing for Open Collaboration  
Sponsored workshop, National Science Foundation, Alexandria, VA

**PROFESSIONAL AFFILIATIONS**

Association for Psychological Science, Cognitive Developmental Society, International Society for Developmental Psychobiology, International Congress on Infant Studies, Society for Research in Child Development, Vision Sciences Society

**PROFESSIONAL & ACADEMIC SERVICE**

Funding Agency ad hoc Reviewer:

European Research Council, National Science Foundation

Journal ad hoc Reviewer:

*Child Development, Cognition, Developmental Psychobiology, Developmental Psychology, Developmental Science, Frontiers in Psychology, Infancy, Infant Behavior and Development, Infant and Child Development, Journal of Experimental Child Psychology, Journal of Experimental Psychology: General, Journal of Motor Behavior, Journal of Motor Learning & Development, Laterality, Neural Computation, Perceptual & Motor Skills, Physical Therapy*

Conference Programs:

- 2017 Cognition & cognitive science panel, International Society for the Study of Behavioural Development
- 2015 Perceptual, sensory, & motor panel, Society for Research in Child Development
- 2014 Motor & sensorimotor processes panel, International Conference on Infant Studies
- 2011 Infancy panel, Society for Research in Child Development

University Service:

- 2015 Panel member, FIU graduate student professional development
- 2011–2013 Judge for UVA’s graduate research exhibition
- 2012 Panel member, UVA graduate student career development
- 2011–2012 Member, UVA Autism research group
- 2007 Statistics instructor for NYU math program for high school students
- 2006 –2007 Brown bag talk coordinator, NYU Cognition & Perception Area