

# John Franchak

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## Research Interests

Visual attention (head-mounted eye-tracking in infants, children, and adults during natural activities, eye gaze during social interactions, remote eye-tracking of dynamic scenes)

Perceptual-motor development (posture, locomotion, manual skills)

Motor learning and control (affordance perception, visual guidance of walking and reaching)

## Employment and Education

- 2014- Assistant Professor, Dept. of Psychology, **University of California, Riverside**
- 2013-2014 Post-Doctoral Fellow, Dept. of Psychological and Brain Sciences, **Indiana University**  
Sponsors: Chen Yu & Linda Smith
- 2011-2013 Post-Doctoral Researcher, Dept. of Psychology, **New York University**  
Sponsors: Karen Adolph & David Heeger
- 2009-2011 Ph.D., Experimental Psychology, **New York University**  
Advisor: Karen Adolph
- 2006-2009 M.A., Experimental Psychology, **New York University**
- 2005-2006 Lab Coordinator, Dept. of Psychology, **Rutgers University, Newark**
- 2001-2005 B.A., Cognitive Science, **University of Virginia**

## Honors and Awards

- 2020 Visiting Scholar, McPherson Eye Research Institute, University of Wisconsin-Madison
- 2015 Rising Star, Association for Psychological Science
- 2014 Intel Best Paper Award "This hand is my hand: A probabilistic approach to hand disambiguation in egocentric video", IEEE Computer Vision and Pattern Recognition
- 2013 Postdoctoral Fellowship, NICHD Training Grant, 5T32HD7475-17, "Training Program in Integrative Developmental Process", Indiana University
- 2012 Best Methodological Paper "Understanding the development of motion processing by characterizing optic flow experienced by infants and their mothers", International Conference on Learning and Development

- 2011 Martin Braine Dissertation Award, New York University  
 2010 Best Paper Award "Head-mounted eye-tracking of infants' natural interactions: A new method", Eye Tracking Research & Applications  
 2009 Sandra G. Wiener Student Investigator Award, International Society for Developmental Psychobiology

## Research

\*Denotes student advisee

### Manuscripts Invited/Under Review/In Revision

- Franchak, J. M.**, & Kadooka, K.\*. (in revision). Age differences in orienting to faces in dynamic scenes depend on face centering, not visual salience.
- Franchak, J. M.**, Smith, L. B., & Yu, C. (in revision). Developmental changes in how head orientation structures infants' visual attention.
- Choi, K., Schlesinger, M. A., **Franchak, J. M.**, & Richert, R. A. (in revision). Do preschoolers prefer efficient or effortful actors? Selective attention to and learning from actors promoting a growth mindset.

### Peer-Reviewed Publications

- Kadooka, K.\*, & **Franchak, J. M.** (in press). Developmental changes in infants' and children's attention to faces and salient regions vary across and within video stimuli. *Developmental Psychology*.
- Franchak, J. M.** (in press). Calibration of perception fails to transfer between functionally similar affordances. *Quarterly Journal of Experimental Psychology*.
- Franchak, J. M.** (2020). The ecology of infants' perceptual-motor exploration. *Current Opinion in Psychology*, 32, 110-114. [Themed issue on Socio-Ecological Psychology].
- Franchak, J. M.** (2019). Development of affordance perception and recalibration in children and adults. *Journal of Experimental Child Psychology*, 183, 100-114.
- Franchak, J. M.** (2019). Changing opportunities for learning in everyday life: Infant body position over the first year. *Infancy*, 24, 187-209.
- Labinger, E.\*, Monson, J. R.\*, & **Franchak, J. M.** (2018). Effectiveness of spontaneous exploration when recalibrating to changing affordances. *PLoS One*, 13, e0209298.
- Franchak, J. M.**, & Somoano, F. A.\* (2018). Rate of recalibration to changing affordances for squeezing through doorways reveals the role of feedback. *Experimental Brain Research*, 236, 1699-1711.
- Franchak, J. M.**, Kretch, K. S., & Adolph, K. E. (2018). See and be seen: Infant-caregiver social looking during locomotor free play. *Developmental Science*, 21, e12626.

- Slone, L. K., Abney, D. H., Borjon, J. I., Chen, C., **Franchak, J. M.**, Pearcy, D., Suarez-Rivera, C., Xu, T. L., Zhang, Y., Smith, L. B., & Yu, C. (2018). Gaze in action: Head-mounted eye tracking of children's dynamic visual attention during naturalistic behavior. *Journal of Visualized Experiments*, *141*, e58496.
- Franchak, J. M.** (2017). Exploratory behaviors and recalibration: What processes are shared between functionally-similar affordances? *Attention, Perception, & Psychophysics*, *79*, 1816-1829.
- Adolph, K. E., & **Franchak, J. M.** (2017). The development of motor behavior. *WIREs Cognitive Science*, *8*, e1430.
- Franchak, J. M.**, Heeger, D. J., Hasson, U., & Adolph, K. E. (2016). Free viewing gaze behavior in infants and adults. *Infancy*, *21*, 262-287.
- Franchak, J. M.**, & Yu, C. (2015). Visual-motor coordination in natural reaching of young children and adults. *Proceedings of the 37th annual meeting of the Cognitive Science Society*.
- Nayer, K.\*, **Franchak, J. M.**, Adolph, K. E., & Kiorpes, L. (2015). From local to global processing: The development of illusory contour perception. *Journal of Experimental Child Psychology*, *131*, 38-55.
- Bambach, S., **Franchak, J. M.**, Crandall, D. J., & Yu, C. (2014). Detecting hands in children's egocentric views to understand embodied attention during social interaction. *Proceedings of the 36th annual meeting of the Cognitive Science Society*.
- Lee, S., Bambach, S., Crandall, D. J., **Franchak, J. M.**, & Yu, C. (2014). This hand is my hand: A probabilistic approach to hand disambiguation in egocentric video. *Proceedings of the 2014 IEEE Conference on Computer Vision and Pattern Recognition*. [Best Paper Award, CVPR]
- Kretch, K. S., **Franchak, J. M.**, & Adolph, K. E. (2014). Crawling and walking infants see the world differently. *Child Development*, *85*, 1503-1518.
- Franchak, J. M.**, & Adolph, K. E. (2014). Gut estimates: Pregnant women adapt to possibilities for squeezing through doorways. *Attention, Perception, & Psychophysics*, *76*, 460-472.
- Franchak, J. M.**, & Adolph, K. E. (2014). Affordances for action as probabilistic functions: Implications for development, perception, and decision-making. *Ecological Psychology*, *26*, 109-124. [Special issue honoring Herb Pick].
- Ishak, S., **Franchak, J. M.**, & Adolph, K. E. (2014). Perception-action development from infants to adults: Perceiving affordances for reaching through openings. *Journal of Experimental Child Psychology*, *117*, 92-105.
- Comalli, D. M., **Franchak, J. M.**, Char, A.\*, & Adolph, K. E. (2013). Ledge and wedge: Older and younger adults' perception of possibilities for action. *Experimental Brain Research*, *228*, 183-192.
- Franchak, J. M.**, Celano, E. C.\*, & Adolph, K. E. (2012). Perception of passage through

openings depends on the size of the body in motion. *Experimental Brain Research*, 223, 301-310.

**Franchak, J. M., & Adolph, K. E.** (2012). What infants know and what they do: Perceiving possibilities for walking through openings. *Developmental Psychology*, 48, 1254-1261.

Raudies, F., Gilmore, R. O., Kretch, K. S., **Franchak, J. M., & Adolph, K. E.** (2012). Understanding the development of motion processing by characterizing optic flow experienced by infants and their mothers. *Proceedings of the IEEE International Conference on Development and Learning*. [Best Methodological Paper, ICDL].

**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.

**Franchak, J. M., & Adolph, K. E.** (2010). Visually guided locomotion: Head-mounted eye-tracking of natural locomotion in children and adults. *Vision Research*, 50, 2766-2774.

**Franchak, J. M., van der Zalm, D. J.\* & Adolph, K. E.** (2010). Learning by doing: Action performance facilitates affordance perception. *Vision Research*, 50, 2758-2765.

**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*. [Best Paper Award, ETRA].

### Book Chapters

**Franchak, J. M.** (in press). Visual exploratory behavior and its development. In K. Federmeier & E. Schotter (Eds.) *The Psychology of Learning and Motivation (Vol. 73)*. Special issue: Gazing toward the future: Advances in eye movement theory and applications.

**Franchak, J. M.** (2020). Looking with the eyes and head. In J. Wagman & J. Blau (Eds.) *Perception as Information Detection: Reflections on Gibson's Ecological Approach to Visual Perception* (pp. 205-221). New York: Routledge.

**Franchak, J. M.** (2017). Using head-mounted eye tracking to study development. In B. Hopkins, E. Geangu, & S. Linkenauger (Eds.), *The Cambridge Encyclopedia of Child Development* (2nd ed., pp. 113-116). Cambridge: Cambridge University Press.

Adolph, K. E., Joh, A. S., **Franchak, J. M.,** Ishak, S., & Gill, S. V. (2008). Flexibility in the development of action. In J. Bargh, P. Gollwitzer, & E. Morsella (Eds.), *Oxford Handbook of Human Action*, New York: Oxford University Press.

### Shared Datasets

(2015) *Free viewing gaze behavior in infants and adults*. doi.org/10.17910/B7.192

(2015) *12-month-olds and their caregivers wearing head-mounted eye trackers during spontaneous free play in lab playroom*. http://doi.org/10.17910/B7.135

(2015) *Understanding the development of motion processing by characterizing optic flow experienced by infants and their mothers*. http://doi.org/10.17910/B7.116

(2015) *Head-mounted eye tracking: A new method to describe infant looking*. doi.org/10.17910/B7.124.

(2015) *What infants know and what they do: Perceiving possibilities for walking through openings.* doi.org/10.17910/B7.136

(2013) *Crawling and walking infants see the world differently.* doi.org/10.17910/B7RP4H

(2013) *Younger and older adults' perception of action possibilities.* doi.org/10.17910/B7H592

### Open-Source Research Software

*Dynamic ROI Coder for Matlab.* github.com/JohnFranchak/roi\_coder

*Matlab Utilities for Eye Tracking.* github.com/JohnFranchak/et\_tools

*Escalator Psychophysical Toolbox.* github.com/JohnFranchak/escalator\_toolbox

### Media Coverage

(2018) La Presse. *Les mystères des positions de bébés.* https://bit.ly/2Cqjya7

(2018) Science Daily. *Study explores infant body position and learning.*  
https://www.sciencedaily.com/releases/2018/10/181023150036.htm

(2011) Simon's Foundation Autism Research Initiative. *Eye-tracking device travels with toddlers.* http://sfari.org/news-and-opinion/toolbox/2011/eye-tracking-device-travels-with-toddlers

(2010) Voices of America, Science/Health News. *New studies reveal infants' world of vision.* http://www.voanews.com/english/news/health/New-Studies-Reveal-Infants-World-Of-Vision-104716684.html

(2010) New York Times. *Looking this way and that, and learning to adapt to the world.* http://www.nytimes.com/2010/08/17/science/17gaze.html

## Research Support

- |              |   |
|--------------|---|
| Pending      | NSF DS: <i>Developmental cascades: How motor development alters everyday learning.</i> <b>John Franchak, PI, proposed budget: \$754,957 over 4 years.</b>   |
| 2019 to 2021 | UCR Regents Faculty Development Fellowship: <i>Characterizing everyday opportunities for learning in the second year of life.</i> <b>John Franchak, PI, \$5,000 2-year total.</b>   |
| 2018 to 2023 | NICHD R01-HD-094830: <i>PLAY (Play and Learning Across a Year).</i> Karen Adolph, PI, \$6,341,419 total award. <b>John Franchak, sub-award PI, \$18,527 5-year total.</b>   |
| 2018 to 2022 | NSF IIS-1763966: <i>CHS: Medium: Collaborative research: Designing virtual worlds for children - A developmental study of how children act, perceive, and reason spatially.</i> Robert Bodenheimer, PI, \$539,504 total award. <b>John Franchak, consultant, \$24,000 4-year total.</b> |

- 2018 to 2021 NSF DS-1749594: *Picture book reading: Investigating a key source of linguistic input for early language development*. Jessica Montag, PI, \$427,933 total award. **John Franchak, consultant, \$5000 3-year total.**
- 2018 to 2023 NICHD R01-HD-033486: *Flexibility of learning in infant skill acquisition*, Karen Adolph, PI, total award \$3,086,397. **John Franchak, consultant, \$25,000 5-year total.**
- 2015 to 2017 UCR Regents Faculty Fellowship: *Developmental changes in visual experiences over the first year of life*. **John Franchak, PI, \$6,000 2-year award total.**

## Presentations

\*Denotes student advisee

### Conference Organizing

- Yu, C., **Franchak, J. M.**, & Castellanos, I. (2020, July). Co-organizer. *Tutorial on using head-mounted eye tracking in infant research*. Preconference Workshop for the International Conference on Infant Studies, Glasgow, Scotland. [Cancelled]
- Yu, C., **Franchak, J. M.**, & Castellanos, I. (2018, June). Co-organizer. *Tutorial on using head-mounted eye tracking in infant research*. Preconference Workshop for the International Conference on Infant Studies, Philadelphia, PA.
- Franchak, J. M.** (2014, July). Symposium Organizer and Chair. *What head-mounted eye tracking reveals about infants' active vision*. International Conference on Infant Studies, Berlin, Germany.

### Conference Papers

- Franchak, J. M.** (2020, July). *Head-mounted eye tracking data collection and coding*. Paper presented at the Preconference Tutorial on Using Head-Mounted Eye Tracking in Infant Research, International Congress on Infant Studies, Glasgow, Scotland. [Cancelled]
- Lozano-Ziebart, S., Wagman, J. B., **Franchak, J. M.** & Farmer-Dougan, V. (2019, October). *Dogs in the gray zone: Canine perception for going over or under a barrier*. Paper presented at the International Canine Sciences Conference, Phoenix, AZ.
- Franchak, J. M.** (2018, June). *Head-mounted eye tracking data collection and coding*. Paper presented at the Preconference Tutorial on Using Head-Mounted Eye Tracking in Infant Research, International Congress on Infant Studies, Philadelphia, PA.
- Kadooka, K. \*, & **Franchak, J. M.** (2017, October). *Eye movement patterns while viewing screen-based media: Age-related changes from infancy to adulthood*. Paper presented at the Cognitive Development Society meeting on Digital Media and Cognitive Development, Portland, OR.
- Choi, K. , Schlesinger, M. A. \*, Richert, R. A., & **Franchak, J. M.** (2017, May). *Character perceptions guide children's looking to and learning from on-screen characters*. Paper presented

- at the International Communication Association Annual Conference, San Diego, CA.
- Richert, R., Schlesinger, M.\*, & **Franchak, J. M.** (2016, October). *Children attend to and learn more from characters who try hard*. Paper presented at the SRCD Special Topic Meeting in Technology and Media in Children's Development, Irvine, CA.
- Franchak, J. M.**, & Yu, C. (2015, July). *Visual-motor coordination in natural reaching of young children and adults*. Paper presented at the meeting of the Cognitive Science Society, Pasadena, CA.
- Franchak, J. M.**, & Adolph, K. E. (2015, July). *Action experience facilitates recalibration to changing affordances when squeezing through doorways*. Paper presented at the International Conference on Perception and Action, Minnesota, MN.
- Franchak, J. M.**, & Yu, C. (2014, July). *Infant's coordination of the eyes, hands, and head while guiding reaching movements*. Paper presented at the International Conference on Infant Studies, Berlin, Germany.
- Franchak, J. M.**, Kretch, K. S., Heeger, D. H., Hasson, U., & Adolph, K. E. (2014, July). *Infants' visual exploration of faces in screen-based and real-world tasks*. Paper presented at the International Conference on Infant Studies, Berlin, Germany.
- Bambach, S., **Franchak, J. M.**, Crandall, D. J., & Yu, C. (2014, July). *Detecting hands in children's egocentric views to understand embodied attention during social interaction*. Paper presented at the 36th annual meeting of the Cognitive Science Society, Quebec City, Canada.
- Adolph, K. E., Kretch, K. S., Cole, W. G., Karasik, L., **Franchak, J. M.**, Chan, G., Tamis-LeMonda, C. (2013, April). *Effects of crawling and walking on infants' experiences*. Paper presented at the meeting of the Society for Research in Child Development, Seattle, WA.
- Adolph, K. E., & **Franchak, J. M.** (2012, June). *Navigating through tight spots: Learning and recalibration*. Symposium to honor Herb Pick, International Conference on Infant Studies, Minneapolis, MN.
- 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*. Paper presented at the meeting of the Society for Research in Child Development, Montreal, Canada.
- 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*. Paper presented at the International Conference on Infant Studies, Baltimore, MD.
- Franchak, J. M.**, Kretch, K. S., Soska, K. C., & Adolph, K. E. (2009, October). *Head-mounted eye-tracking of infants during natural interactions*. Paper presented at the meeting of the International Society for Developmental Psychobiology, Sandra G. Wiener Awards Symposium, Chicago, IL.

- Franchak, J. M.**, van der Zalm, D. J. \*, Hartzler, B. M. \*, Adolph, K. E. (2009, June). *Perceiving affordances for navigating through openings*. Paper presented at the 15th International Conference on Perception and Action, Minneapolis, MN.
- Franchak, J. M.**, Adolph, K. E., Gabelman, L. \*, & Babcock, J. S. (2009, April). *Visual guidance of locomotion in children: Navigation from the periphery*. Paper presented at the meeting of the Society for Research in Child Development, Denver, CO.
- Franchak, J. M.**, Adolph, K. E., Badaly, D., & Babcock, J. S. (2008, November). *Navigation from the corner of the eye: Visual guidance of locomotion in children*. Paper presented at the meeting of the International Society for Developmental Psychobiology, Washington, DC.
- Franchak, J. M.**, Smith, M. T. \*, & Adolph, K. E. (2007, November). *Pregnant women walking through doorways*. Paper presented at the meeting of the International Society for Developmental Psychobiology, San Diego, CA.
- Franchak, J. M.**, & Adolph, K. E. (2007, May) *Perceiving changing affordances for action: Pregnant women walking through doorways*. Paper presented at the meeting of the Vision Sciences Society, Sarasota, FL.

#### Conference Posters

- Franchak, J. M.**, & Kadooka, K. \* (2020, July). *Television experience predicts infants' sensitivity to different face-looking cues when viewing videos*. Poster presented at the International Congress on Infant Studies, Glasgow, Scotland.
- Kadooka, K. \*, McGee, B. \*, Truong, T. \*, Luo, C. \*, & **Franchak, J. M.** (2020, July). *The influence of centering and saliency on infants' real-world visual attention*. Poster presented at the International Congress on Infant Studies, Glasgow, Scotland.
- McGee, B. \*, Michaels, K. \*, & **Franchak, J. M.** (2020, July). *Associative learning modulates infants' attentional selection in a free-viewing task*. Poster presented at the International Congress on Infant Studies, Glasgow, Scotland.
- Blanch, G. \*, McGee, B. \*, & **Franchak, J. M.** (2020, April). *Task demands influence eye-head coordination*. Poster presented at the meeting of the Western Psychological Association, San Francisco, CA.
- Franchak, J. M.** & Kadooka, K. \* (2019, October). *Visual saliency guides orienting to dynamic faces in infants, children, and adults*. Poster presented at the Biennial meeting of the Cognitive Development Society, Louisville, KY.
- Kadooka, K. \*, & **Franchak, J. M.** (2019, October). *Developmental differences in attention to action-specific information*. Poster presented at the Biennial meeting of the Cognitive Development Society, Louisville, KY.
- Jing, M., Kadooka, K. \*, **Franchak, J. M.**, & Kirkorian, H. (2019, October). *The effect of comprehensibility on saliency-based gaze prediction for children and adults watching Sesame Street*. Poster presented at the Biennial meeting of the Cognitive Development Society, Louisville, KY.



- Lozano-Ziebart, S., Wagman, J. B., **Franchak, J. M.** & Farmer-Dougan, V. (2019, August). *Dogs in the gray zone: Canine perception for going over or under a barrier*. Poster presented at the American Psychological Association Convention, Chicago, IL.
- Luo, C.\* & **Franchak, J. M.** (2019, March). *Looking compensates for postural constraints: Infants center gaze targets in view when looking*. Poster presented at the Biennial meeting of the Society for Research in Child Development, Baltimore, MD.
- Gauvain, M. T., Harmon, D.\* , Cheong, Y.\* , & **Franchak, J. M.** (2019, February). *An eye tracking study of children's use of plans to construct objects alone and with mother*. Poster presented at the International Convention of Psychological Science, Paris, France.
- Luo, C.\* , & **Franchak, J. M.** (2018, October). *Spatial structure of mobile infants' visual experiences in natural interaction with caregivers and objects*. Poster presented at the meeting of the International Society for Developmental Psychobiology, San Diego, CA.
- Franchak, J. M.** (2018, October). *Developing motor abilities alter infants' everyday experiences*. Poster presented at the meeting of the International Society for Developmental Psychobiology, San Diego, CA.
- Kadooka, K.\* , & **Franchak, J. M.** (2018, July). *Variation in the influence of bottom-up and top-down features on adult-like gaze*. Poster presented at the International Congress on Infant Studies, Philadelphia, PA.
- Labinger, E.\* , Monson, J. R.\* , & **Franchak, J. M.** (2018, April). *Do adults practice effectively when recalibrating to altered motor abilities?*. Poster presented at the meeting of the Western Psychological Association, Portland, OR.
- Kadooka, K.\* , & **Franchak, J. M.** (2017, October). *Development of adult-like gaze behavior in infants and children when viewing video media*. Poster presented at the 11th Biennial Meeting of the Cognitive Development Society, Portland, OR.
- Choi, K., Schlesinger, M. A.\* , Grant, C.\* , Puttre, H. J., Richert, R. A., & **Franchak, J. M.** (2017, October). *Preschoolers use other's effort as a cue to attention and selective attention*. Poster submitted at the 11th Biennial Meeting of the Cognitive Development Society, Portland, OR.
- Schlesinger, M. A.\* , Richert, R. A., & **Franchak, J. M.** (2016, August). *Informant effort expenditure impacts young children's learning, eye gaze, and trust*. Poster presented at the 38th Annual Meeting of the Cognitive Science Society, Philadelphia, PA.
- Franchak, J. M.**, & Yu, C. (2016, May). *Infants structure their visual experiences to favor toys over faces during play*. Poster presented at the International Congress on Infant Studies, New Orleans, LA.
- Franchak, J. M.**, Heeger, D. H., Hasson, U., & Adolph, K. E. (2013, April). *Free-viewing gaze behavior in infants and adults*. Poster presented at the meeting of the Society for Research in Child Development, Seattle, WA.
- Kretch, K. S., **Franchak, J. M.**, Brothers, J. L.\* , & Adolph, K. E. (2012, June). *Effects of locomotor posture on infants' visual experiences*. Poster presented at the International

Conference on Infant Studies, Minneapolis MN.

- Gilmore, R. O., Raudies, F., Kretch, K. S., **Franchak, J. M.** & Adolph, K. E. (2012, June). *Do you see what I see? Comparing optic flow experienced by infants and their mothers.* Poster presented at the International Conference on Infant Studies, Minneapolis MN.
- Franchak, J. M.**, Hasson, U., Heeger, D. J., & Adolph, K. E. (2012, May). *Reliability of actors' and observers' gaze during natural tasks.* Poster presented at the meeting of the Vision Sciences Society, Naples FL.
- Kretch, K. S., **Franchak, J. M.**, Brothers, J. L.\* , & Adolph, K. E. (2012, May). *What infants see depends on locomotor posture.* Poster presented at the meeting of the Vision Sciences Society, Naples FL.
- Raudies, F., Kretch, K. S., **Franchak, J. M.**, Mingolla, E., Gilmore, R. O., & Adolph, K. E. (2012, May). *Where do mothers point their head when they walk and where do babies point their head when they are carried?* Poster presented at the meeting of the Vision Sciences Society, Naples FL.
- Gilmore, R. O., Raudies, F., Kretch, K. S., **Franchak, J. M.**, & Adolph, K. E. (2012, May). *Patterns of optic flow experienced by infants and their mothers during locomotion.* Poster presented at the meeting of the Vision Sciences Society, Naples FL.
- Franchak, J. M.**, Sadanand, A.\* , & Adolph, K. E. (2011, October). *Entrapment or falling: Infants' exploration of action possibilities.* Poster presented at the meeting of the Cognitive Development Society, Philadelphia, PA.
- Franchak, J. M.**, Sadanand, A.\* , & Adolph, K. E. (2011, April). *Walls and falls: Infants' motor decisions reflect consequences for errors.* Poster presented at the meeting of the Society for Research in Child Development, Montreal, Canada.
- Franchak, J. M.**, & Adolph, K. E. (2010, November). *Tight squeeze: Infants' motor decisions reflect consequences for errors.* Poster presented at the meeting of the International Society for Developmental Psychobiology, San Diego, CA.
- Gabelman, L.\* , **Franchak, J. M.**, & Adolph, K. E. (2010, March). *Fovea to periphery: The developmental progression of visual guidance during obstacle navigation.* Poster presented at the International Conference on Infant Studies, Baltimore, MD.
- Franchak, J. M.**, Adolph, K. E., Badaly, D., Smith, M. T.\* , & Babcock, J. S. (2008, May). *Head-mounted eye-tracking with children: Visual guidance of motor action.* Poster presented at the meeting of the Vision Sciences Society, Naples, FL.
- Franchak, J. M.**, Smith, M. T.\* , & Adolph, K. E. (2008, May) *Visual guidance of locomotion in infants, young adults, and the elderly.* Poster presented at the meeting of the Vision Sciences Society, Naples, FL.
- Franchak, J. M.**, Stefanucci, J. K., & Proffitt, D. R. (2006, May). *Within striking distance: Task efficacy influences perceived size and distance.* Poster presented at the meeting of the Vision Sciences Society, Sarasota, FL.

**Franchak, J. M., & Shiffrar, M.** (2006, May). *Body form and position influence the perceived speed of human gait*. Poster presented at the meeting of the Vision Sciences Society, Sarasota, FL.

### **Invited Colloquia**

2019 Institute of Human Development, Univ. of California, Berkeley, Berkeley, CA  
 2018 Center for Cognition, Action, & Perception, Univ. of Cincinnati, Cincinnati, OH  
 2018 Department of Psychology, Univ. of California, Los Angeles, Los Angeles, CA  
 2016 Department of Psychology, Univ. of Nevada, Las Vegas, Las Vegas, NV  
 2016 Department of Psychology, California State Univ., Long Beach, Long Beach, CA  
 2015 Center for Mind and Brain, Univ. of California, Davis, Davis, CA  
 2015 Department of Psychology, Univ. of Oregon, Eugene, OR  
 2014 Department of Cognitive Science, Univ. of California-San Diego, San Diego, CA  
 2014 ICIS Preconference Workshop on Head-Mounted Eye Tracking, Berlin, Germany  
 2014 Department of Psychology, Tufts Univ., Medford, MA  
 2014 Department of Psychology, Univ. of California-Riverside, Riverside, CA  
 2014 Workshop on Eye Tracking Methods and Analysis, Center for Interdisciplinary Study, Bielefeld Univ., Bielefeld, Germany  
 2012 Department of Psychology, Bard Univ., Annandale-on-Hudson, NY  
 2012 Department of Psychology, Rutgers Univ., Newark, Newark, NJ  
 2012 Department of Psychology, Stony Brook Univ., Stony Brook, NY  
 2011 Department of Psychology, Univ. of Connecticut, Storrs, CT  
 2011 Department of Psychology, Princeton Univ., Princeton, NJ  
 2010 Workshop for Perception and Action, Rauschholzhausen Castle, Germany

## **Professional Activities and Service**

### **Professional Affiliations**

Cognitive Development Society  
 International Congress on Infant Studies  
 International Society for Developmental Psychobiology  
 International Society for Ecological Psychology  
 Society for Research in Child Development  
 Vision Sciences Society

### **Review Panels**

2020 Scientific Committee, International Conference on Perception and Action  
 2020 Panel Reviewer, SRCD Special Topics Meeting on Learning Through Play and Imagination  
 2020 Panel Reviewer, International Congress on Infant Studies  
 2019 Panel Reviewer, Cognitive Development Society  
 2018 Panel Reviewer, International Congress on Infant Studies

- 2017 Panel Reviewer, Society for Research in Child Development  
 2016 Panel Co-Chair, International Congress on Infant Studies  
 2016 Panel Reviewer, SRCD Special Topics Meeting on Technology and Media in Children's Development  
 2015 Scientific Committee, International Conference on Perception and Action

### Ad Hoc Reviewer

Behavioral Research Methods	JEP: General
Cambridge University Press	JEP: Human Perception Performance
Canadian Journal of Experimental Psychology	Journal of Cognition and Development
Child Development	Journal of Experimental Child Psychology
Cognition	Journal of Motor Behavior
Cognitive Science	Journal of Motor Learning and Development
Current Directions in Psychology	Journal of Nonverbal Behavior
Developmental Psychology	National Science Center of Poland
Developmental Science	National Science Foundation
Ecological Psychology	Oxford University Press
Experimental Brain Research	Perception
Frontiers in Psychology	Quarterly Journal of Experimental Psychology
IEEE Virtual Reality	Research Quarterly for Exercise and Sport
IEEE Visualization and Computer Graphics	Scientific Data
Infancy	Vision Research
Infant Behavior and Development	

## Teaching and Advising

### Courses Taught

#### *Undergraduate*

Psychological Methods: Research Procedures  
 Infancy  
 Perceptual-Motor Development  
 Developmental Psychology

#### *Graduate*

Processes of Cognitive Development  
 Seminar: Vision in Everyday Behavior  
 Seminar: Cascades in Development  
 Proseminar in Developmental Psychology

### Student Advisees

#### *Doctoral*

Kellan Kadooka (current)  
 Brianna McGee (current)  
 Chuan Luo (current)

#### *Masters*

Jenna Monson (2018)

*Undergraduate Honors Theses*

Madelyn Caufield (expected 2020)

Eli Labinger (2018)

Frank Somoano (2017)

Angela Char (2011, as a postdoctoral mentor)

Emma Celano (2011, as a postdoctoral mentor)

Larissa Gabelman (2009, as a graduate mentor)

Dina van der Zalm (2008, as a graduate mentor)

*Undergraduate Research Grants Mentored*

Gabrielle Blanch (2019), UCR Student Travel Grant

Madelyn Caufield (2019), UCR Student Minigrant

Yee Lat (2019), UCR Student Minigrant

Kelsey Michaels (2019), UCR Student Minigrant

Gabrielle Blanch (2018), UCR Student Minigrant

Tramanh Truong (2018), UCR Student Minigrant

Eli Labinger (2017), Chancellor's Distinguished Fellowship

## University Service

- 2019- Member, UC Riverside Academic Integrity Committee
- 2019- Psychology Department Colloquium Series Organizer
- 2018 Judge, Undergraduate Research Symposium
- 2017- Member, Undergraduate Minigrant Review Committee
- 2017 R'Course Facilitator
- 2016-2017 Member, Graduate Admissions Committee (Dept. of Psychology)
- 2015- Chair, Child Studies @ UCR ([childstudies.ucr.edu](http://childstudies.ucr.edu))
- 2014-2015 Member, Faculty Search Committee (Dept. of Psychology)

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