

Brianna K. Hunter

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ACADEMIC APPOINTMENTS

Postdoctoral Fellow 2022 - present
Center for Mind & Brain, University of California, Davis

EDUCATION

Ph.D. in Psychological Science 2022
Tulane University
Advisor: Julie Markant, Ph.D.
Dissertation: *Attention orienting to motivationally salient faces across development*

M.S. in Psychological Science 2019
Tulane University
Advisor: Julie Markant, Ph.D.
Thesis: *Differential development of race- and species-based selective attention biases*

B.S. in Psychology, Behavioral and Cognitive Neuroscience 2017
Summa Cum Laude
University of Florida
Advisor: Lisa Scott, Ph.D.
Thesis: *Looking patterns within own- and other-race faces in 6- and 9-month-old infants*

HONORS AND AWARDS

FoVea Networking and Travel Award for VSS 2023
Tulane Psychology Department Research Award 2022
Tulane Psychology Department Mentoring Award 2020
International Society for Developmental Psychobiology Travel Award 2019, 2021
The Flowerree Summer Research Award 2018 - 2021
Louisiana Board of Regents Fellowship 2017 - 2021
Bailey Family Foundation Undergraduate Scholarship 2013 - 2017

GRANTS AND RESEARCH SUPPORT

National Institutes of Health NRSA Individual Postdoctoral Fellowship Award (F32)
Eye tracking and computation approaches to understand the roles of maturation and experience in infant looking (Role: PI; Sponsors: Lisa Oakes and Steve Luck)

PUBLICATIONS

Published Journal Articles

Jakobsen, K., **Hunter, B.K.**, & Simpson, E. (2023). Pareidolic faces receive prioritized attention in the dot-probe task. *Attention, Perception, & Psychophysics*, 85, 1106-1126. <https://doi.org/10.3758/s13414-023-02685-6>

Hunter, B. K., & Markant, J. (2023b). Six- to ten-year-old children do not show race-based orienting biases to faces during an online visual search task. *Journal of Experimental Child Psychology*, 230. <https://doi.org/10.1016/j.jecp.2023.105628>

Hunter, B.K., & Markant, J. (2023a). Caregiver faces capture 6-10-year-old attention during an online visual search task. *Developmental Psychology*, 59(2), 344-352. <https://doi.org/10.1037/dev0001420>

Malone, I. G., **Hunter, B. K.**, Rossow, H. L., Herzog, H., Zolotukhin, S., Munger, S. D., & Dotson, C. D. (2021). Y1 receptors modulate taste-related behavioral responsiveness in male mice to prototypical gustatory stimuli. *Hormones and Behavior*, 136. <https://doi.org/10.1016/j.yhbeh.2021.105056>

Noonan, C.F., **Hunter, B.K.**, & Markant, J. (2021). Dynamic emotional messages differentially affect 6-month-old infants' attention to eyes and gaze cues. *Infant Behavior and Development*, 64. <https://doi.org/10.1016/j.infbeh.2021.101626>

Hunter, B.K. & Markant, J. (2021). Differential sensitivity to species- and race-based information in the development of attention orienting and face biases in infancy. *Developmental Psychobiology*, 63, 461-469. <https://doi.org/10.1002/dev.22027>

Manuscripts in Preparation

Hunter, B.K., & Markant, J. (in prep). Differential development of attention orienting and attention holding biases to caregiver faces from 6- to 9-months of age.

Hunter, B.K., Sifre, R., Bacher, L., Elison, J., & Markant, J. (in prep). Evaluation of a velocity-based eye blink detection algorithm in infants.

ORAL PRESENTATIONS

Presentations prior to May 2021 are listed under former name, Brianna Keenan.

* denotes undergraduate student mentee

Peer Reviewed

Hunter, B.K., Klotz, S., DeBolt, M., Luck, S., & Oakes, L. (2023, May). *Evaluation of Graph-Based Visual Saliency* model using infant fixation data. Talk presented at the Vision Sciences Society annual meeting. St. Pete Beach, FL.

Hunter, B.K., & Markant, J. (2023, March). *Social reward uniquely biases children's attention orienting to faces*. Symposium talk at the Society for Research on Child Development Biennial Meeting. Salt Lake City, UT. Presented by Markant, J.

Hunter, B.K., & Markant, J. (2022, July) *Attention orienting and attention holding biases to caregiver faces develop at different rates from 6- to 9-months of age*. Oral presentation at the International Congress of Infant Studies Biennial Meeting. Ottawa, CA.

Hunter, B.K., & Markant, J. (2021, November). *Caregiver faces capture 6-10-year-old children's attention during an online visual search task*. Flash talk presented at the International Society for Developmental Psychobiology meeting. Chicago, IL.

Non-Peer Reviewed

Hunter, B.K. (2023, January). *Using the Natural Scenes Dataset to understand infant visual attention*. Talk presented at UC Davis Visual Cognition Seminar. Davis, CA.

Hunter, B.K. (2022, November). *Attention to faces*. Talk presented at UC Davis Developmental Brownbag series. Davis, CA.

Sridhar, A. *, **Hunter, B.K.**, Montgomery, B., & Markant, J. (2022, September). *Infant temperament predicts attention orienting biases to caregiver vs. stranger faces*. Talk presented at the ICIS Founding Generation Summer Internship Symposium.

Hunter, B.K., & Markant, J. (2021, December). *Attention orienting to caregivers during infancy and childhood*. Talk presented at Tulane University's psychology department colloquium series. New Orleans, LA.

Keenan, B., & Markant, J. (2019, September). *Evaluating the impact of reward learning on infant selective attention*. Talk presented at Tulane University's psychology department colloquium series. New Orleans, LA.

Keenan, B., & Markant, J. (2019, April). *Reward learning and its effects on visual attention in infancy*. Talk presented at the Tulane University Downtown-Uptown Neuroscience Krewe (D.U.N.K.) meeting. New Orleans, LA.

POSTER PRESENTATIONS

Peer Reviewed

Marcus, T., Wood, A., **Hunter, B.K.**, & Markant, J. (2023, November). *Attention is biased to the self-face in an attention capture task: Investigating the role of social reward*. Poster submitted to the Psychonomic Society Annual Meeting, San Francisco, CA.

Montgomery, B., **Hunter, B.K.**, & Markant, J. (2023, November). *Differential development of attention orienting and attention holding biases to caregiver vs stranger faces in infancy*. Poster submitted to the Psychonomic Society Annual Meeting, San Francisco, CA.

Montgomery, B., **Hunter, B.K.**, & Markant, J. (2022, November). *Differential impacts of the Covid-19 pandemic on infants' attention orienting and attention holding to caregiver faces*. Poster accepted to the International Society for Developmental Psychobiology, San Diego, CA.

Hunter, B.K., & Markant, J. (2021, September). *Caregiver faces capture 7-10-year-old children's attention during an online visual search task*. Poster accepted to the Attention and Memory in Development Virtual Workshop; withdrawn due to Hurricane Ida.

Keenan, B., & Markant, J. (2021, April). *Distractor context drives differential attention orienting and attention holding to caregiver and stranger faces in infancy*. Poster presented at the Society for Research in Child Development virtual Biennial Meeting.

- [Video Presentation](#)

Markant, J., & **Keenan, B.** (2020, July). *Distractor context drives differential attention orienting to caregiver and stranger faces in infancy*. Poster accepted to the International Congress on Infant Studies; withdrawn due to COVID-19. Glasgow, Scotland.

Markant, J., & **Keenan, B.** (2020, July). *Infants demonstrate increased suppression of perceptually salient distractors in the context of own- versus other-race faces*. Poster accepted to the International Congress on Infant Studies; withdrawn due to COVID-19. Glasgow, Scotland.

Keenan, B., & Markant, J. (2020, May). *Own-race and own-species faces differentially capture visual attention in infancy*. Poster accepted to the Vision Sciences Society Annual Meeting; withdrawn due to COVID-19. St. Pete Beach, FL.

McNair, S.*, **Keenan, B.**, & Markant, J. (2020, May). *Infant attention-orienting to caregiver vs. stranger faces varies across distractor contexts*. Poster presented at the Online UCLA Psychology Undergraduate Research Conference.

McNair, S.*, **Keenan, B.**, & Markant, J. (2020, May). *Infant attention-orienting to caregiver vs. stranger faces varies across distractor contexts*. Poster accepted to the Vision Sciences Society Annual Meeting; withdrawn due to COVID-19. St. Pete Beach, FL.

Keenan, B., & Markant, J. (2019, October). *Infants demonstrate biased selective attention to own-species but not own-race faces at 6- and 11-months of age*. Poster presented at International Society for Developmental Psychobiology meeting. Chicago, IL.

Markant, J., **Keenan, B.**, & Offen, K. (2019, May). *Prior reward learning biases selective attention among 9-12-month-old infants*. Poster presented at Vision Sciences Society. St. Pete Beach, FL.

Keenan, B., Offen, K., & Markant, J. (2019, March). *High-value reward biases 9-12month-old infants' visual search performance*. Poster presented at the Society for Research in Child Development Biennial Meeting. Baltimore, MD.

- Student and Early Career Council (SECC) poster competition nomination
- [Video Presentation](#)

Keenan, B., Offen, K., & Markant, J. (2018, November). *Reward learning biases selective attention among 9- to 12-month-old infants*. Poster presented at the International Society for Developmental Psychobiology meeting's invited poster session at Society for Neuroscience. San Diego, CA.

Keenan, B., Offen, K., & Markant, J. (2018, November). *Reward learning biases selective attention among 9- to 12-month-old infants*. Poster presented at the International Society for Developmental Psychobiology meeting. San Diego, CA.

- People's choice competition finalist

Keenan, B., Heller, R., & Rowland, N. (2014). *Effects of food unpredictability in the weight and overall health in mice*. Poster presented at Florida Undergraduate Research Conference 2015 (Daytona, FL) and Biology at the Beach 2015 (St. Augustine, FL).

Non-Peer Reviewed

Wood, A.*, Marcus, T., **Hunter, B.K.**, & Markant, J. (2023, April). *Biased attention to the self-face during an attention capture task*. Poster presented at the Tulane Research, Innovation, and Creativity Summit (TRICS). New Orleans, LA.

Sridhar, A.*, **Hunter, B.K.**, Montgomery, B., & Markant, J. (2022, August). *Infant Temperament Predicts Attention Orienting Biases to Caregiver vs. Stranger Faces*. Poster presented at the Tulane Undergraduate Research in Neuroscience Summer Program. New Orleans, LA.

Adab, R.*, **Keenan, B.**, & Markant, J. (2021, April). *Children's attention to faces: An online replication of an attention orienting task*. Poster presented at the Tulane Health Science Research Days. Virtual.

McNair, S.*, **Keenan, B.**, & Markant, J. (2021, April). *Attention biases in 7-10-year-old children on an online dot probe task*. Poster presented at the Tulane Center for Engaged Learning and Teaching (CELT) Student Research Poster Day.

McNair, S.*, **Keenan, B.**, & Markant, J. (2020, May). *Infants' attention-orienting to caregiver vs. stranger faces varies across distractor contexts*. Poster accepted to the Tulane Center for Engaged Learning and Teaching (CELT) Student Research Poster Day; cancelled due to COVID-19.

Keenan, B., Offen, K., & Markant, J. (2019, April). *High-value reward biases 9-12-month-old infants' visual search performance*. Poster presented at the Annual Tulane University School of Science and Engineering Research Day, New Orleans, LA

- Outstanding Student Research Poster finalist

McNair, S.*, **Keenan, B.**, & Markant, J. (2019, April). *Reward learning biases visual search performance in infancy*. Poster presented at the Tulane Center for Engaged Learning and Teaching (CELT) Student Research Poster Day. New Orleans, LA.

Keenan, B., Offen, K., & Markant, J. (2019, April). *High-value reward biases 9-12-month-old infants' visual search performance*. Poster presented at the Tulane School of Science and Engineering Annual Board of Advisors Meeting. New Orleans, LA.

Aber, R.*, **Keenan, B.**, & Markant, J. (2019, March). *Selective attention biases exhibit no influence on the other-race effect in adults*. Poster presented at the 2019 Tulane Health Science Research Days. New Orleans, LA.

McNair, S.*, **Keenan, B.**, & Markant, J. (2019, March). *High-value reward learning biases visual search in infancy*. Poster presented at the Tulane Health Science Research Days. New Orleans, LA.

McNair, S.*, **Keenan, B.**, & Markant, J. (2019, January). *Reward learning biases visual search performance in infancy*. Poster presented at 2019 Diversifying Clinical Psychology Networking Event. New Orleans, LA.

- Poster Excellence Award

Keenan, B., Heller, R., & Rowland, N. (2014). *Effects of food unpredictability in the weight and overall health in mice*. Poster presented at the University of Florida Department of Psychology Poster Session. Gainesville, FL.

- Outstanding Poster award

TEACHING EXPERIENCE

Instructor of Record

Child Psychology, *Tulane University* Summer 2021

Teaching Assistant

Experimental Psychology (lab instructor), *Tulane University* 2021 - 2022
Cognitive Psychology, *University of Florida* Spring 2017

Guest Lecturer

Infant Social and Perceptual Biases Spring 2021
Prenatal Development Spring 2020
Early Brain Development Spring 2020
Early Childhood Cognitive Development Spring 2020
Newborn Foundations Fall 2019
Introduction to Child Psychology Fall 2019
Theories in Child Psychology Fall 2019

Relevant Coursework

Foundations of Online Pedagogy and Practice (EDUC 6110) Summer 2020
College Teaching Practicum (PSYC 7241) Spring 2020
College Teaching Pedagogy (PSYC 7240) Fall 2019

SERVICE

UC Davis Postdoctoral Scholars Association Symposium Committee 2022 - 2023
Tulane Psychology Department Colloquium Committee 2020 - 2022
Graduate Studies Student Association Psychology Representative 2019 - 2022
Greater New Orleans Science and Engineering Fair Judge 2019 - 2021
Tulane WISE Social and Wellness Committee Member 2018 - 2021
Tulane WISE Undergraduate Mentor 2018 - 2022
Girls in STEM at Tulane (GiST) Volunteer 2017 - 2018
Women in Cognitive Science Panel Technical Support 2018
Ad Hoc Reviewer (* denotes co-review as graduate student only)
Brain Sciences*
Child Development
Developmental Psychology
Developmental Psychobiology*
Developmental Science*
Infancy*
Journal of Experimental Child Psychology*
Journal of Experimental Psychology
Society for Research on Child Development Biennial Meeting*

PROFESSIONAL AFFILIATIONS

International Congress on Infant Studies

International Society for Developmental Psychobiology

Society for Research in Child Development

Psychonomic Society

fNIRS Society

Vision Sciences Society

FoVea (Females of Vision et al.)

Women in Cognitive Science