

JULIE MARKANT, PH.D.
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ACADEMIC APPOINTMENTS

2023 – present Associate Professor, Department of Psychology, Tulane University School of Science & Engineering, New Orleans, LA

2015 – present Faculty Associate, Tulane Brain Institute, Tulane University, New Orleans, LA

2015 – 2023 Assistant Professor, Department of Psychology, Tulane University School of Science & Engineering, New Orleans, LA

2010 – 2015 Postdoctoral Research Associate, Department of Cognitive, Linguistic, & Psychological Sciences, Brown University, Providence, RI

EDUCATION

2007 – 2010 Ph.D. in Child Psychology, Institute of Child Development, University of Minnesota, Minneapolis, MN

2005 – 2007 M.A. in Child Psychology, Institute of Child Development, University of Minnesota, Minneapolis, MN

1998 – 2002 B.A. with Distinction in Biopsychology, Cornell University, Ithaca, NY

AWARDS AND HONORS

2023 Newcomb-Tulane College Outstanding Honors Thesis Professor

2009 – 2010 Doctoral Dissertation Fellowship, Graduate School, University of Minnesota

2009 Graduate School Thesis Research Grant, University of Minnesota

2009 Center for Neurobehavioral Development Seed Grant, University of Minnesota

2009 Institute of Child Development Research Grant, University of Minnesota

2006 – 2009 Trainee, NICHD Predoctoral Training Grant in Cognitive Sciences, University of Minnesota

2005 – 2006 Pre-doctoral Fellowship, Graduate School, University of Minnesota

2002 Inducted into Cornell University Chapter of Phi Beta Kappa Honor Society

GRANTS AND RESEARCH SUPPORT

Active

R01 HD108325-01A1 Total Costs: \$1,941,757
National Institute of Health (NICHD)
Dates: 4/1/23 – 2/29/28
Longitudinal investigation of endogenous and social-motivational predictors of infants' attention to caregivers
Role: Principal Investigator

Simons Foundation SFI-AN-ARHUMAN-00015151-01 Total Costs: \$500,000
Autism Research Initiative-Human Cognitive and Behavioral Science
5/1/2025 – 4/30/2027
Supplement to Quantitative and remote methods to study early cognitive development and heterogeneity in ASD

Last updated August 2026

PIs: Elena Tenenbaum, Shafali Jeste
Role: Consultant

R21 DC022378-01 Total Costs: \$375,000
National Institute of on Deafness and Other Communication Disorders (NIDCD)
Dates: 1/1/25 – 12/31/27
Examining precursors to language impairment in ASD via remote assessment
Role: Consultant

Completed

Simons Foundation 874889 Total Costs: \$500,000
Autism Research Initiative-Human Cognitive and Behavioral Science
12/1/2021 – 3/31/2025
Quantitative and remote methods to study early cognitive development and heterogeneity in ASD
PIs: Elena Tenenbaum, Shafali Jeste
Role: Consultant

University Senate Committee on Research Fellowship Total Costs: \$10,000
Dates: 2015 - 2016
Mechanisms of bidirectional attention-learning interactions in development
Role: Principal Investigator

Graduate/Undergraduate Student Grant Support

International Congress on Infant Studies Founding Generation Summer Fellowship (N = 1)
Louis Stokes Louisiana Alliance for Minority Participation Program (N = 2)
Newcomb-Tulane College Undergraduate Summer Research Program (N = 5)
Psi Chi Honor Society in Psychology Graduate Research Award (N = 2)
Sigma Xi Grants-in-Aid of Research (N = 1)
Tulane Center for Engaged Learning and Teaching Summer Research Award (N = 6)
Tulane Honors Program Undergraduate Summer Research Award (N = 2)
Tulane Undergraduate Research in Neuroscience (TURN) Summer Research Program (N = 7)

PUBLICATIONS

*Denotes graduate mentee; underline denotes undergraduate mentee/lab research staff

Manuscripts Under Review

Mohan*, S., King, J., & Markant, J. (under revision). Endogenous selective attention and exogenous cueing jointly influence preschoolers' attention and learning during video-based science lessons.

Tenenbaum, E. J., Vu, M. H., Hare, M., Stone, C., Gilyard, K. R., Waterman, A., Harris, M., Dea, A., Scott, A.M., Arunachalam, S., Bergelson, E., Bishop, S. L., Frank, M. C., Hamlin, J. K., Kline Struhl, M., Landa, R. J., Lew-Williams, C., Libertus, M. E., Luyster, R. J., Markant, J., Sheinkopf, S. J., Wagner, J. B., Jeste, S. (under review). Remote Infant Studies of Early Learning (RISE): Expansion of an online battery for infant cognitive and language development.

Published Journal Articles

Hennessey, E.P., Swales, D.A., Markant, J., Nevarez-Brewster, M., Deer, L.K., Su, C., Hoffman, C., Hankin, B.L., & Davis, E.P. (2026). Fetal cortisol exposure and offspring socioemotional development. *Developmental Psychobiology*, 68, e70122. <https://doi.org/10.1002/dev.70122>

Hunter, B.K., Kizildere, E., Klotz, S.M., Nelson, C.M., Markant, J., & Oakes, L.M. (2025). What have we learned about infant visual attention in the first 25 years of the 21st century? *Infant Behavior and Development*. <https://doi.org/10.1016/j.infbeh.2025.102135>

Last updated August 2026

- Tenenbaum, E.J., Stone, C., Vu, M., Hare, M., Gilyard, K.R., Arunachalam, S., Bergelson, E., Frank, M.C., Hamlin, J.K., Kline Struhl, M., Landa, R.J., Lew-Williams, C., Libertus, M.E., Luyster, R.J., Markant, J., Sheinkopf, S.J., Wagner, J.B., Park, K., Grapel, J.N., Soderling, A.I., Waterman, A.K., & Jeste, S. (2025). Remote infant studies of early learning (RISE): Scalable online replications of key findings in infant cognitive development. *Developmental Psychology*, 6(1), 151-167. <https://doi.org/10.1037/dev0001849>
- Hunter*, B.K., Montgomery*, B., Sridhar, A., & Markant, J. (2024). Endogenous control and reward-based mechanisms shape infants' attention biases to caregiver faces. *Developmental Psychobiology*, 66(6), e22521. <https://doi.org/10.1002/dev.22521>
- Hennessey, E.P., Swales, D.A., Markant, J., Hoffman, C., Hankin, B.L., & Davis, E.P. (2024). Maternal anxiety during pregnancy predicts infant attention to affective faces. *Journal of Affective Disorders*, 344, 104-114. <https://doi.org/10.1016/j.jad.2023.09.031>
- King*, J., Marcus*, T., & Markant, J. (2023). Individual differences in selective attention and engagement shape students' learning from visual cues and instructor presence during online lessons. *Scientific Reports*, 13, 5075. <https://doi.org/10.1038/s41598-023-32069-7>
- Swales, D.A., Markant, J., Hennessey, E.P., Glueck, D.H., Hankin, B.L., & Davis, E.P.D (2023). Infant negative affectivity and patterns of affect-biased attention. *Developmental Psychobiology*, 65, e22380. <https://doi.org/10.1002/dev.22380>
- Hunter*, B.K. & Markant, J. (2023). 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, 105628. <https://doi.org/10.1016/j.jecp.2023.105628>
- Hunter*, B.K. & Markant, J. (2023). Caregiver faces capture 6- to 10-year-old children's attention orienting during an online visual search task. *Developmental Psychology*, 59(2), 344-352. <https://doi.org/10.1037/dev0001420>
- King*, J. & Markant, J. (2022). Selective attention to lesson-relevant contextual information promotes 3- to 5-year-old children's learning. *Developmental Science*, 25, e13237. <https://doi.org/10.1111/desc.13237>
- Markant, J. & Amso, D. (2022). Context and attention control determine whether attending to competing information helps or hinders learning in school-aged children. *Wiley Interdisciplinary Reviews: Cognitive Science*, 13(1), e1577. <https://doi.org/10.1002/wcs.1577>
- 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, 101626. <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 attention holding face biases in infancy. *Developmental Psychobiology*, 63, 461-469. <https://doi.org/10.1002/dev.22027>
- King*, J. & Markant, J. (2020). Individual differences in selective attention and scanning dynamics influence children's learning from relevant non-targets in a visual search task. *Journal of Experimental Child Psychology*, 193, 104797. <https://doi.org/10.1016/j.jecp.2019.104797>
- Coleman, M., Offen, K., & Markant, J. (2018). Exercise similarly facilitates men and women's selective attention task response times but differentially affects memory task performance. *Frontiers in Psychology*, 9(1405), 1-19. <https://doi.org/10.3389/fpsyg.2018.01405>
- Cruse, A., Offen, K., & Markant, J. (2018). Spatial selective attention biases are shaped by long-term musical training and short-term exposure to tones. *Brain and Cognition*, 125, 106-117. <https://doi.org/10.1016/j.bandc.2018.06.006>

- Markant, J. & Scott, L.S. (2018). Attention and perceptual learning interact in the development of the other-race effect. *Current Directions in Psychological Science*, 27(3), 163-169. <https://doi.org/10.1177/0963721418769884>
- Nussenbaum, K., Amso, D., & Markant, J. (2017). When increasing distraction helps learning: Distractor number and content interact in their effects on memory. *Attention, Perception, and Psychophysics*, 79, 2606-2619. <https://doi.org/10.3758/s13414-017-1399-1>
- Markant, J., Ackerman, L., Nussenbaum, K., & Amso, D. (2016). Selective attention neutralizes the adverse effects of socioeconomic status on memory in 9-month-old infants. *Developmental Cognitive Neuroscience*, 18, 26-33. <https://doi.org/10.1016/j.dcn.2015.10.009>
- Markant, J. & Amso, D. (2016). The development of selective attention orienting is an agent of change in learning and memory efficacy. *Infancy*, 21(2), 154-176. <https://doi.org/10.1111/infa.12100>
- Markant, J., Oakes, L.M., & Amso, D. (2016). Visual selective attention biases contribute to the other-race effect among 9-month-old infants. *Developmental Psychobiology*, 58(3), 355-365. <https://doi.org/10.1002/dev.21375>
- Markant, J., Worden, M.S., & Amso, D. (2015). Not all attention orienting is created equal: Recognition memory is enhanced when attention orienting involves distractor suppression. *Neurobiology of Learning and Memory*, 120, 28 -40. <https://doi.org/10.1016/j.nlm.2015.02.006>
- Amso, D., Haas, S., & Markant, J. (2014). An eye tracking investigation of developmental change in bottom-up attention orienting to faces in cluttered natural scenes. *PLoS ONE*, 9(1), e85701. <https://doi.org/10.1371/journal.pone.0085701>
- Amso, D., Haas, S., Markant, J., Tenenbaum, E., & Sheinkopf, S. (2014). Bottom-up attention orienting in young children with autism. *Journal of Autism and Developmental Disorders*, 44(3), 664-673. <https://doi.org/10.1007/s10803-013-1925-5>
- Hodel, A.S., Markant, J., Van Den Heuvel, S.E., Cirilli Raether, J.M., & Thomas, K.M. (2014). Developmental differences in effects of task pacing on implicit sequence learning. *Frontiers in Psychology*, 5, 153. <https://doi.org/10.3389/fpsyg.2014.00153>
- Markant, J. & Amso, D. (2014). Leveling the playing field: Attention mitigates the effects of individual variability in intelligence. *Cognition*, 131(2), 195-204. <https://doi.org/10.1016/j.cognition.2014.01.006>
- Markant, J., Cicchetti, D., Hetzel, S. & Thomas, K.M. (2014a). Contributions of COMT Val¹⁵⁸Met to cognitive stability and flexibility in infancy. *Developmental Science*, 17(3), 396-411. <https://doi.org/10.1111/desc.12128>
- Markant, J., Cicchetti, D., Hetzel, S. & Thomas, K.M. (2014b). Relating dopaminergic and cholinergic polymorphisms to spatial attention during infancy. *Developmental Psychology*, 50(2), 360-369. <https://doi.org/10.1037/a0033172>
- Markant, J. & Amso, D. (2013). Selective memories: Infants' encoding is enhanced in selection via suppression. *Developmental Science*, 16(6), 926-940. <https://doi.org/10.1111/desc.12084>

Book Chapters & Other Published Works

- Markant, J. & Hunter, B.K. (in press). Visual selective attention. In S.P. Johnson (Ed.), *Oxford Handbook of Perceptual Development*. Oxford University Press.
- Markant, J. & Marcus, T. (in press). Developmental trajectories of attention. In D. Amso (Ed.), *Oxford Handbook of Infant Attention, Memory, and Learning*. Oxford University Press.
- Markant, J. & Thomas, K.M. (2013). Postnatal brain development. In P.D. Zelazo (Ed.), *Oxford Handbook of Developmental Psychology* (pp. 129-163). New York, NY: Oxford University Press.

Amso, D. & Markant, J. (2011). Self-regulation: A comprehensive overview of an interdisciplinary topic. *PsycCRITIQUES*, 56(48).

SELECTED PRESENTATIONS (LAST THREE YEARS)

Peer-Reviewed Presentations

*Denotes graduate mentee; underline denotes undergraduate mentee/lab research staff

Brown, K., Montgomery*, B., Sridhar*, S., Feiler, J.B., & Markant, J. (2027, April). *Differential stability and limited convergence across attention control measures at 4-, 6-, and 8-months*. Poster submitted to Society for Research in Child Development, Atlanta, GA.

Meyer, E., Gray, S.A.O., & Markant, J. (2027, April). *Investigating the relationship between maternal adverse childhood experiences and infant heart rate-defined sustained attention at 4- and 6-months of age*. Poster submitted to Society for Research in Child Development, Atlanta, GA.

Montgomery*, B., Venter, S., Marcus*, T., & Markant, J. (2027, April). Number of caregivers and task context shape 6-month-old infants' attention orienting to stranger faces. Poster submitted to Society for Research in Child Development, Atlanta, GA.

Sridhar*, A., Meyer, E., Gray, S.A.O., & Markant, J. (2027, April). Relating 4-month-old infants' temperament to heart rate-defined sustained attention to caregiver faces during play. Poster submitted to Society for Research in Child Development, Atlanta, GA.

Brown, K., Montgomery*, B., Sridhar*, S., Feiler, J.B., & Markant, J. (2026, November). *Convergence and stability of endogenous attention over the first year: Relating eye movement control, sustained attention, and temperament at 4-, 6-, and 8-months*. Poster accepted to International Society for Developmental Psychobiology, New Orleans, LA.

Crawford, E., Montgomery*, B., Meyer, E., Gray, S.A.O., & Markant, J. (2026, November). *Caregiver sensitivity and 4-month-old infants' attention orienting biases to caregiver versus stranger faces*. Poster accepted to International Society for Developmental Psychobiology, New Orleans, LA.

Meyer, E., Gray, S.A.O., & Markant, J. (2026, November). *Maternal adverse childhood experiences differentially predict infant heart rate-defined sustained attention at 4- and 6-months of age*. Poster accepted to International Society for Developmental Psychobiology, New Orleans, LA.

Montgomery*, B., Venter, S., Marcus*, T., & Markant, J. (2026, November). Number of caregivers shapes infants' attention orienting biases during competition between caregiver and stranger faces. Poster accepted to International Society for Developmental Psychobiology, New Orleans, LA.

Sridhar*, A., Meyer, E., Gray, S.A.O., & Markant, J. (2026, November). *Examining the link between caregiving quality and 4-month-old infants' heart-rate defined sustained attention during face-to-face play*. Poster presented at the International Society for Developmental Psychobiology, New Orleans, LA.

Montgomery*, B., Venter, S., Marcus*, T., & Markant, J. (2026, July). Social networks influence early development of infants' attention orienting to caregiver vs. stranger faces. In B. Montgomery and J. Markant (Co-Chairs), *Infant Attention and Cognition in Context: The Role of Caregivers and Broader Social Experiences*. Symposium paper presented at the International Congress on Infant Studies, Panama City, Panama.

Meyer, E., Gray, S.A.O., & Markant, J. (2026, July). *Exploring the relationship between maternal early life experiences and heart rate-defined sustained attention at 4 months of age*. Poster presented at the International Congress on Infant Studies, Panama City, Panama.

Montgomery*, B., Hunter, B., & Markant, J. (2026, July). *The development of infant attention orienting biases to species- and race-based faces during direct competition*. Poster accepted to the International Congress on Infant Studies, Panama City, Panama.

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- Brown, K., Marcus*, T., & Markant, J. (2026, April). *Analyzing the associations between infant temperament, eye movement control, and sustained attention as measures of endogenous attention development across 4-, 6-, and 8-months of age*. Poster presented at the Cognitive Development Society, Montreal, Canada.
- Meyer, E., Gray, S.A.O., & Markant, J. (2026, April). *Investigating the association between adverse childhood experiences and heart rate-defined sustained attention in infancy*. Poster presented at the Cognitive Development Society, Montreal, Canada
- Mohan*, S., & Markant, J. (2026, April). *Facilitating young children's learning from multisensory lessons via attention to relevant context*. Poster presented at the Cognitive Development Society, Montreal, Canada.
- Montgomery*, B., Hunter, B., & Markant, J. (2026, April). *Direct competition shapes the development of infants' attention orienting biases to faces based on species-based but not race-based information*. Poster presented at the Cognitive Development Society, Montreal, Canada.
- Brown, K., Marcus*, T., & Markant, J. (2025, November). *Measures of infant endogenous attention are differentially related at 4-, 6-, and 8-months of age*. Poster presented at the International Society for Developmental Psychobiology, San Diego, CA.
- Marcus*, T., King, J., & Markant, J. (2025, November). *Gaze entropy as a tool for understanding attention in complex learning environments*. Poster presented at the Society for Neuroscience, San Diego, CA.
- Tenenbaum, E. J., Harris, M., Vu, M., Waterman, A. K., Stone, C.G., Lew-Williams, C., Hamlin, J. K., Arunachalam, S., Kline Struhl, M., Bergelson, E., Frank, M. C., Landa, R. J., Libertus, M. E., Grapel, J., Sheinkopf, S. J., Wagner, J., Markant, J., Jeste, S., Spelke, E. (2025, July). *The Remote Infant Studies of Early Learning (RISE) Battery - A scalable assessment of cognitive development in infancy*. Poster accepted to the Annual Meeting for the Cognitive Science Society, San Francisco, CA.
- Mohan*, S., & Markant, J. (2025, May). *Attention to multisensory and contextual information supporting young children's learning*. Poster accepted to the Society for Research in Child Development, Minneapolis, MN.
- Montgomery*, B., Hunter, B., & Markant, J. (2025, May). *Direct competition and saliency shape species- and race-based attention orienting biases to faces during infancy*. Poster accepted to the Society for Research in Child Development, Minneapolis, MN.
- SRCD 2025 Biennial Graduate Student Travel Award Recipient
- Parsley, M., Marcus*, T., Montgomery*, B., Gray, S.A.O., & Markant, J. (2025, May). *Maternal trauma and anxiety differentially relate to infants' selective attention at 4- and 6-months of age*. Poster accepted to the Society for Research in Child Development, Minneapolis, MN.
- Tenenbaum, E., Jeste, S., Stone, C., Vu, M.H., Hare, M., Gilyard, K., Waterman, A., Harris, M., Dea, A., Arunachalam, S., Bergelson, E., Bishop, S., Frank, M.C., Hamlin, J.K., Landa, R., Lew-Williams, C., Libertus, M., Luyster, R.J., Markant, J., Durazo-Arvizu, R.A., Sabatos-DeVito, M., Sheinkopf, S.J., & Wagner, J.B. (2025, April). *The Remote Infant Studies of Early Learning (RISE) battery for the assessment of cognitive and language development in infants at elevated likelihood for autism*. Oral presentation accepted to the International Society for Autism Research, Seattle, WA.
- Waterman, A., Markant, J., Wagner, J.B., Vu, M.H., Hare, M., Stone, C., Landa, R., Sheinkopf, S.J., Jeste, S., & Tenenbaum, E. (2025, April). *Remote assessment of infant memory: Encoding face and non-face stimuli in infants with and without an autistic sibling*. Poster submitted to the International Society for Autism Research, Seattle, WA.
- Marcus*, T., Wood, A., Hunter*, B.K. & Markant, J. (2024, October). *The role of reward and familiarity in the self-face bias: Insights from behavioral and neuroimaging measures*. Poster presented at the Society for Neuroscience, Chicago, IL.

Brown, K., Marcus*, T., & Markant, J. (2024, October). *Focused attention and eye movement control as measures of developing endogenous attention control in infancy*. Poster presented at the International Society for Developmental Psychobiology, Chicago, IL.

Marcus*, T., Montgomery*, B. & Markant, J. (2024, October). *Social network size shapes infants' attention bias for strangers over caregivers at 4 months of age*. Flash talk and poster presented at the International Society for Developmental Psychobiology, Chicago, IL.

- 2024 ISDP Travel Award Recipient

Mohan*, S., King*, J. & Markant, J. (2024, October). *Promoting 3- to 5-year-old children's learning of science lessons by cueing attention to relevant context*. Poster presented at the International Society for Developmental Psychobiology, Chicago, IL.

Montgomery*, B., Marcus*, T. & Markant, J. (2024, October). *Individual differences in endogenous attention control relate to attention orienting biases to caregiver versus stranger faces at 4 months of age*. Poster presented at the International Society for Developmental Psychobiology, Chicago, IL.

- 2024 ISDP Travel Award Recipient

Montgomery*, B., Hunter*, B.K. & Markant, J. (2024, October). *Exploring the role of direct competition in species- and race-based attention orienting biases to faces during infancy*. Poster presented at the International Society for Developmental Psychobiology, Chicago, IL.

Parsley, M., Marcus*, T. Gray, S.A.O., & Markant, J. (2024, October). *Maternal trauma differentially relates to infants' endogenous selective attention at 4- and 6-months of age*. Poster presented at the International Society for Developmental Psychobiology, Chicago, IL.

Sridhar, A., Maganti, M., Baxi, A., Markant, J., & Kumar, S. (2024, August). "Every mother does whatever she can" – *Insights & reflections of new mothers in Chennai, Tamil Nadu*. Paper accepted to XXVII International Congress of The International Association for Cross-Cultural Psychology, Bali, Indonesia.

Sridhar, A., Hunter*, B.K., Montgomery*, B., & Markant, J. (2024, July). *Individual differences in reward sensitivity shape infants' attention biases towards caregiver faces*. Poster presented at the International Congress on Infant Studies, Glasgow Scotland.

- 2024 ICIS Undergraduate Travel Award Recipient

Tenenbaum, E., Stone, C., Hare, M., Gilyard, K., Vu, M.H., Kline Struhl, M., Lew-Williams, C., Wagner, J.B., Markant, J., Arunachalam, S., Luyster, R.J., Bergelson, E., Sabatos-Devito, M., Sheinkopf, S.J., & Jeste, S. (2024, May). *Pilot study of the Remote Infant Studies of Early Learning (RISE) battery*. Poster presented at the International Society for Autism Research annual meeting, Sydney, Australia.

Marcus*, T., Montgomery, B., & Markant, J. (2024, March). *Infants' attention biases to caregiver vs. stranger faces reflect social network size*. Poster presented at the biennial meeting of the Cognitive Development Society, Pasadena, CA.

Mohan*, S., King, J.K., & Markant, J. (2024, March). *Facilitating young children's learning of science lessons by cueing attention to contextual information*. Poster presented at the biennial meeting of the Cognitive Development Society, Pasadena, CA.

Marcus*, T., Wood, A., Hunter*, B.K. & Markant, J. (2024, March). *Attention is biased to the self-face in an attention capture task: Investigating the role of social reward*. Poster presented at the Society for Affective Science, New Orleans, LA.

Montgomery*, B., Hunter*, B.K., Sridhar, A. & Markant, J. (2024, March). *Infant sensitivity to reward influences attention biases to caregiver faces*. Poster presented at the Society for Affective Science, New Orleans, LA.

- 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 presented at the Psychonomics Society Annual Meeting, San Francisco, CA.
- Marcus*, T., King*, J., & Markant, J. (2023, November). *Visual cues and peer videos differentially affect college students' looking behaviors and learning during online lessons*. Poster presented at the Psychonomics 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 presented at the Psychonomics Society Annual Meeting, San Francisco, CA.

Invited Presentations

- Markant, J. (2025, October). *Experience-based attention biases to faces in infancy, childhood, and adulthood*. Neuroscience Program and Department of Psychological Sciences, Loyola University New Orleans.
- Markant, J. (2025, March). *Bidirectional attention-learning interactions in early development*. Cognitive Science Program, Binghamton University.
- Markant, J. (2025, February). *Focus and flexibility in developing selective attention control*. Continuing education workshop presented at the International Neuropsychological Society, New Orleans, LA.
- Markant, J. (2024, July). *Selective attention and memory interactions across development*. Talk presented at The Center for Transformative Teaching and Learning Science of School Teaching and Learning Academy, Metairie Park Country Day School, Metairie, LA.
- Markant, J. (2022, May). *Focus and flexibility in developing selective attention control*. Centre for Brain and Cognitive Development, Birkbeck, University of London. .

Local/Non-Peer Reviewed Presentations

*Denotes graduate mentee; underline denotes undergraduate mentee/lab research staff

- Crawford, E., Montgomery*, B., Meyer, E., Gray, S.A.O., & Markant, J. (2026, July). *Caregiver sensitivity and 4-month-old infants' attention orienting biases to caregiver versus stranger faces*. Poster presented at the Tulane University Research Program in Neuroscience Summer Program, New Orleans, LA.
- Crawford, E., Mohan*, S., & Markant, J. (2026, April). *Influences of selective attention and working memory on young children's learning*. Poster presented at the Tulane Undergraduate Research Poster Symposium, New Orleans, LA.
- Winner of the Most Visually Appealing Presentation Award
- Venter, S., Montgomery*, B., Marcus*, T., & Markant, J. (2026, April). *Direct competition and social network size shape infants' attention orienting biases to caregiver vs. stranger faces*. Poster presented at the Tulane Undergraduate Research Poster Symposium, New Orleans, LA.
- Winner of the Presentation with Best Use of Data Award
- Crawford, E., Mohan*, S., & Markant, J. (2026, April). *Influences of selective attention and working memory on young children's learning*. Poster presented at the Tulane Research, Innovation and Creativity Summit, New Orleans, LA.
- MacConnell, C., Meyer, E., Montgomery*, B., Gray, S.A.O., & Markant, J. (2026, April). *Investigating the effect of early maternal adversity on infant autonomic stress reactivity during the still-face paradigm*. Poster presented at the Tulane Research, Innovation and Creativity Summit, New Orleans, LA.
- Venter, S., Montgomery*, B., Marcus*, T., & Markant, J. (2026, April). *Direct competition and social*

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network size shape infants' attention orienting biases to caregiver vs. stranger faces. Poster presented at the Tulane Research, Innovation and Creativity Summit, New Orleans, LA.

Crawford, E., Mohan*, S., & Markant, J. (2025, October). *Influences of selective attention and working memory on young children's learning.* Poster presented at the School of Science and Engineering Undergraduate Poster Session, New Orleans, LA.

- Winner of the Best Overall Presentation Award

MacConnell, C., Meyer, E., Montgomery*, B., Gray, S.A.O., & Markant, J. (2025, October). *Maternal adverse childhood experiences relate to 4-month-old infants' RSA during the Still Face paradigm.* Poster presented at the School of Science and Engineering Undergraduate Poster Session, New Orleans, LA.

Mainiero, B., Montgomery*, B., & Markant, J. (2025, October). *Maternal social anxiety and infant orienting to caregiver vs. stranger faces across infancy.* Poster presented at the School of Science and Engineering Undergraduate Poster Session, New Orleans, LA.

Venter, S., Montgomery*, B., Marcus*, T., & Markant, J. (2025, July). *Attention to caregiver vs. stranger faces: Effects of age and social network size.* Poster presented at the Tulane University Research Program in Neuroscience Summer Program, New Orleans, LA.

Alperstein, A., Montgomery*, B., Marcus*, T., & Markant, J. (2025, April). *Social network fragmentation differentially impacts attention orienting speed to caregiver versus stranger faces in infancy.* Poster presented at the Tulane Research, Innovation, and Creativity Summit, New Orleans, LA.

Brown, K., Marcus*, T., & Markant, J. (2025, April). *Eye movement control, focused attention, and temperament as measures of endogenous attention control across infancy.* Poster presented at the Tulane Research, Innovation, and Creativity Summit, New Orleans, LA.

Ehrenreich, K., Montgomery*, B., Hunter, B.K., & Markant, J. (2025, April). *The presence of own-race faces reduces attention orienting to salient distractors.* Poster presented at the Tulane Research, Innovation, and Creativity Summit, New Orleans, LA.

Meilstrup, S., Marcus*, T., King, J., & Markant, J. (2025, April). *Self-reported preferences for peer interaction do not predict attention or learning from peer videos in online platforms.* Poster presented at the Tulane Research, Innovation, and Creativity Summit, New Orleans, LA.

Meyer, E., Brown, K., Sanders, Z., Gray, S., & Markant, J. (2025, April). *Maternal life experiences relate to 4-month-old infants' sustained attention during free play.* Poster presented at the Tulane Research, Innovation, and Creativity Summit, New Orleans, LA.

Sanders, Z., Brown, K., Alperstein, A., Meyer, E., & Markant, J. (2025, April). *Investigating endogenous attention control between 4- and 6-months of age during a multiple object free play task.* Poster presented at the Tulane Research, Innovation, and Creativity Summit, New Orleans, LA.

Soto, M., Montgomery*, B., & Markant, J. (2025, April). *Direct competition shapes infants' initial orienting biases to faces across the first year.* Poster presented at the Tulane Research, Innovation, and Creativity Summit, New Orleans, LA.

Alperstein, A., Marcus*, T., Montgomery*, B., & Markant, J. (2024, October). *Four-month-old infants' attention to caregiver vs. stranger faces relates to social network fragmentation.* Poster presented at the Newcomb Tulane College Research and Idea Symposium, New Orleans, LA.

Ehrenreich, K., Montgomery*, B., Hunter, B., & Markant, J. (2024, October). *Presence of own-race faces influences attention allocation to physically salient stimuli.* Poster presented at the Newcomb Tulane College Research and Idea Symposium, New Orleans, LA.

- Meilstrup, S., Marcus, T. *, King, J., & Markant, J. (2024, October). *Self-reported preferences for peer interaction do not predict attention or learning from peer videos in online platforms*. Poster presented at the Newcomb Tulane College Research and Idea Symposium, New Orleans, LA.
- Sanders, Z., Brown, K., Meyer, E., Alperstein, A., & Markant, J. (2024, October). *Investigating sustained attention between 4- and 6-months of age during a multiple object free play task*. Poster presented at the Newcomb Tulane College Research and Idea Symposium, New Orleans, LA.
- Alperstein, A., Marcus*, T., Montgomery*, B., & Markant, J. (2024, September). *Four-month-old infants' attention to caregiver vs. stranger faces relates to social network fragmentation*. Poster presented at the School of Science & Engineering Undergraduate Research Symposium, New Orleans, LA.
- Meyer, E., Brown, K., Sanders, Z., Alperstein, A., & Markant, J. (2024, September). *Four-month-old infants' endogenous attention during free play relates to maternal anxiety and depression symptoms*. Poster presented at the School of Science & Engineering Undergraduate Research Symposium, New Orleans, LA.
- 3rd Place Award: Presentation by an Undergraduate Student
- Meyer, E., Brown, K., Sanders, Z., Alperstein, A., & Markant, J. (2024, July). *Four-month-old infants' endogenous attention during free play relates to maternal anxiety and depression symptoms*. Poster presented at the Tulane University Research Program in Neuroscience Summer Program, New Orleans, LA.
- Montgomery*, B., Hunter, B., & Markant, J. (2024, April). *Investigating the role of direct competition in species- and race-based attention orienting biases to faces during infancy*. Poster presented at the Tulane Research, Innovation, and Creativity Summit, New Orleans, LA.
- Winner of the School of Science & Engineering Graduate Student Best Poster Award
- Meyer, E., Montgomery*, B., & Markant, J. (2024, April). *Infants' attention orienting to caregiver versus stranger faces relates to caregivers' self-reported anxiety*. Poster presented at the Tulane Research, Innovation, and Creativity Summit, New Orleans, LA.

MENTORSHIP

Doctoral Research Supervisor

Taylor Starr Martin, Psychology, Tulane University	2026 – present
Aditi Sridhar, School Psychology, Tulane University	2026 – present
Brooke Montgomery, Psychology, Tulane University	2023 – present
Svetha Mohan, School Psychology, Tulane University	2021 – present
Taylor Marcus, Neuroscience, Tulane University	2020 – 2025
Ph.D. Awarded May 2025	
<i>Current position: Professor of Practice, Department of Psychology, Tulane University</i>	
Brianna Keenan Hunter, Psychology, Tulane University	2017 – 2022
Ph.D. Awarded May 2022	
<i>Current position: Postdoctoral Fellow, Center for Mind & Brain, UC Davis</i>	
Jill King, Neuroscience, Tulane University	2017 – 2021
Ph.D. Awarded August 2021	
<i>Current position: Research Scientist, TCM Creative, Tulsa OK</i>	
Claire Noonan, School Psychology, Tulane University	2015 – 2020
Ph.D. Awarded August 2020	
<i>Current position: Licensed Clinical Psychologist, Peak City Psychology, Raleigh NC</i>	

Tulane Undergraduate Honors Thesis Research Supervisor

Psychology & Neuroscience: Emma Meyer (2025); Julia Nauman (2020); Monica Holler (2018)

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Psychology: Gabe Levin (in progress); Anna Wood (2023); Leah Vaidya (2020)
Neuroscience: Kaitlyn Tholen (2019); Matt Coleman (2018); Alyssa Cruse (2017)

Student Committees

Tulane Department of Psychology: Served on 11 dissertation committees, 9 comprehensive exam committees, 8 Masters thesis committees, and 5 undergraduate honors thesis committees

Tulane Neuroscience Program: Served on 3 dissertation committees, 4 comprehensive exam committees, and 9 undergraduate honors thesis committees

External Programs: Served on 1 dissertation committee (University of Denver Clinical Psychology) and 1 undergraduate honors thesis committee (Ashoka University Department of Psychology)

TEACHING

Undergraduate

<i>Child Psychology</i>	Tulane University
<i>Seminar on Developmental Disorders</i>	Brown University
<i>Intro to Child Psychology (Co-Instructor)</i>	University of Minnesota
<i>Cognitive Development (Co-Instructor)</i>	University of Minnesota

Graduate

<i>Developmental Psychology</i>	Tulane University
<i>Cognitive Neuroscience</i>	Tulane University
<i>Developmental Neuroscience</i>	Tulane University

Guest Lectures

<i>Honors Colloquium: Lies, Damned Lies & Big Data</i>	Tulane University
<i>Psychedelics</i>	Tulane University
<i>Neurodevelopment & Disease</i>	Tulane University
<i>Child Psychiatry Fellows Seminar</i>	Tulane University
<i>Neurodiversity Studio</i>	Rochester Institute of Technology
<i>Mind, Brain, & Behavior</i>	Brown University
<i>Lab in Developmental Psychology</i>	Brown University

PROFESSIONAL SERVICE

Reviewer for Federal Funding Agencies

2025	National Science Foundation Panel Reviewer; Social, Behavioral and Economic Sciences
2024	National Institutes of Health/Center for Scientific Review, Human Complex Mental Function (HCMF) Panel
2018	National Sciences of Engineering Research Council of Canada Ad hoc Reviewer
2016 – present	National Science Foundation Ad hoc Reviewer; Social, Behavioral and Economic Sciences

Reviewer for Professional Journals

2022 – present	Associate Editor, <i>Developmental Psychology</i>
2024 – present	Editorial Board Member, <i>Infancy</i>
2019 – present	Editorial Board Member, <i>Developmental Psychobiology</i>
2019 – 2024	Consulting Editor, <i>Child Development</i>

Ad hoc reviewer for 25+ journals including *Child Development*, *Cognition*, *Current Biology*, *Developmental Cognitive Neuroscience*, *Development and Psychopathology*, *Developmental Psychobiology*, *Developmental Psychology*, *Developmental Science*,

Infancy, Psychological Science, and Vision Research

Other Review Activities

2025	Cognitive Development Society (Action, Attention, Perception, Executive Functioning, Memory, and Metacognition Panel)
2024	International Congress on Infant Studies Founding Generations Fellowship
2020 – 2024	International Congress on Infant Studies (Panel #6 Perception, Attention, Learning & Memory; Panel #7 Cognitive Development)
2017 – 2026	Society for Research in Child Development (Panel # 1 Attention Learning & Memory; Panel #4 Cognitive Processes)
2019	University of Rochester Del Monte Neuroscience Pilot Grant Program
2017	Cognitive Science Society Annual Meeting

Conference Organization

2026	Panel Chair, International Congress on Infant Studies (Review Panel: Perception, Attention, Learning & Memory)
2018	Configural Processing Consortium (Local Host)
2018	Psychonomics/Women in Cognitive Science Panel (Tech Support Liason)

DEPARTMENT & UNIVERSITY SERVICE

Psychology Department, Tulane University

2022 – present	Member, Doctoral Training Committee
2025 – 2026	Co-Chair, Restricted Funds Task Force
2025	Member, Search Committee (Professor of Practice in Psychology/Neuroscience)
2023 – 2025	Chair, Search Committee (Tenure-track Assistant Professor in Developmental Science)
2016 – 2023	Member, Early Childhood Degree Committee
2021 – 2022	Member, Search Committee (Tenure-track Assistant Professor in Cognitive Neuroscience)
2019 – 2021	Member, Flowerree Funds Committee
2016 – 2017	Member, Strategic Growth Committee
2015 – 2022	Member, Colloquium Committee

Neuroscience Program, Tulane Brain Institute

2023 – present	Member, Doctoral Training Committee
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School of Science and Engineering, Tulane University

2026 – present	Member, Awards Committee
2021 – 2025	Member, Graduate Studies Committee

Tulane University Service

2024 – present	Member, Senate Committee on Equal Opportunity and Anti-Discrimination Grievances Against Faculty
2023 – 2026	Member, Senate Committee on Information Technology

COMMUNITY PARTNERSHIPS

2020 – present	Consulting Advisor, Louisiana Children's Museum's First 1000 Days Program
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PROFESSIONAL MEMBERSHIPS & AFFILIATIONS

International Congress on Infant Studies, International Society for Developmental Psychobiology,

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Society for Research in Child Development, Psychonomics, Vision Sciences Society, Women in Cognitive Science