BROOKE MONTGOMERY

Department of Psychology
2007 Percival Stern Hall Tulane University
New Orleans, LA 70118
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EDUCATION

Doctoral Student, Psychological Science — Fall 2023 – Present
Focus: Brain, Cognition, and Developmental Science
Tulane University
New Orleans, LA
Advisor: Dr. Julie Markant

M.S. in Psychological Science — Defended Fall 2025
Tulane University
New Orleans, LA
Advisor: Dr. Julie Markant
Thesis: *Direct Competition Differentiates Attention Orienting and Holding Biases to Species- and Race-Based Faces during Infancy*

B.S. in Psychology — Fall 2017 – Spring 2021
Louisiana State University
Baton Rouge, LA

AWARDS

Tulane Psychology Department Graduate Student Service Award	2025
Society for Research in Child Development Travel Award	2025
Tulane School of Science & Engineering Graduate Student Best Poster Award	2024
The Flowerree Summer Research Award	2024, 2025
International Society for Developmental Psychobiology Travel Award	2022, 2024
Taylor Opportunity Program for Students	2017 – 2021

PUBLICATIONS

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

PRESENTATIONS

*Denotes undergraduate mentee

Chaired Symposia

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 accepted to the International Congress on Infant Studies, Panama City, Panama.

Peer Reviewed Presentations

Montgomery, B., Hunter, B.K., & Markant, J. (2026, July). *Direct Competition Differentiates the Development of Species-Based and Race-Based Attention Orienting Biases During Infancy.* Poster accepted to the International Congress on Infant Studies, Panama City, Panama.

Montgomery, B., Hunter, B.K., & Markant, J. (2026, April). *Direct Competition Differentially Shapes the Development of Infants' Attention Orienting Biases to Species- but not Race-based Faces.* Poster accepted to Cognitive Development Society, Montréal, Canada.

Montgomery, B., Hunter, B.K., & Markant, J. (2025, May). *Visual Contexts Shape Species- and Race-Based Attention Orienting Biases to Faces during Infancy.* Poster presented at the Society for Research in Child Development, Minneapolis, MN.

- 2025 SRCD Travel Award Recipient

Parsley, M., Marcus, T., **Montgomery, B.**, Gray, S., & Markant, J. (2025, May). *Maternal Trauma and Anxiety Differentially Relate to Infants' Endogenous Selective Attention in Early Infancy.* Poster presented at Society for Research in Child Development, Minneapolis, MN.

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 International Society for Developmental Psychobiology, Chicago, IL.

- 2024 ISDP Travel Award Recipient

Montgomery, B., Hunter, B.K., & Markant, J. (2024, October). *Examining the Role of Direct Competition on Species- and Race-based Attention Orienting Biases to Faces during Infancy.* Poster presented at 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.* Poster and Flash Talk presented at International Society for Developmental Psychobiology, Chicago, IL.

- 2024 ISDP Travel Award Recipient

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 International Congress on Infant Studies, Glasgow, Scotland.

- 2024 ICIS Undergraduate Travel Award Recipient

Marcus, T., **Montgomery, B.,** & Markant, J. (2024, March). *Infant's Attention Biases Towards Caregivers vs. Strangers Reflect Social Network Size.* Poster presented at Cognitive Development Society, Pasadena, CA

Montgomery, B., Hunter, B.K., Sridhar*, A., & Markant, J. (2024, March). *Infant Sensitivity to Reward Influences Attention Biases towards Caregiver Faces.* Poster presented at Society for Affective Science, New Orleans, LA.

Montgomery, B., Hunter, B.K., & Markant, J. (2023, November). *Differential Development of Attention Orienting and Attention Holding to Caregiver vs Stranger Faces in Infancy*. Poster presented at Psychonomic Society, 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 presented at the International Society for Developmental Psychobiology, San Diego, CA.

- 2022 ISDP Travel Award Recipient

Sridhar*, A., **Montgomery, B.,** Hunter, B.K., & Markant, J. (2022, September). *Infant Reactivity Predicts Attention Orienting Biases to Caregiver vs. Stranger Faces*. Presentation at the International Congress on Infant Studies Founding Generation Fellowship Fall Symposium (virtual).

Local/Non-Peer Reviewed Presentations

MacConnell*, C., Meyer*, E., **Montgomery, B.**, Gray, S., & Markant, J. (2026, April). *Investigating the Effect of Early Maternal Adversity on Infant Autonomic Stress Reactivity During the Still-Face Paradigm.* Poster submitted to Tulane Research, Innovation and Creativity Summit, New Orleans, LA

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 submitted to Tulane Research, Innovation and Creativity Summit, New Orleans, LA

MacConnell*, C., Meyer*, E., **Montgomery, B.**, Gray, S., & Markant, J. (2025, November). *Maternal Adverse Childhood Experiences Relate to 4-Month-Old Infants' RSA During the Still Face Paradigm.* Poster presented at Tulane Research and Idea Symposium Poster Session, New Orleans, LA

MacConnell*, C., Meyer*, E., **Montgomery, B.**, Gray, S., & Markant, J. (2025, October). *Maternal Adverse Childhood Experiences Relate to 4-Month-Old Infants' RSA During the Still Face Paradigm.* Poster presented at 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 School of Science and Engineering Undergraduate Poster Session, New Orleans, LA

Venter*, S., **Montgomery, B.,** Marcus, T., & Markant, J. (2025, October). *Attention to Caregiver vs. Stranger Faces: Effects of Age and Social Network Size.* Poster presented at School of Science and Engineering Undergraduate Poster Session, New Orleans, LA

Venter*, S., **Montgomery, B.,** Marcus, T., & Markant, J. (2025, July). *Household Size Influences Attention Biases to Caregiver versus Stranger Faces During Infancy.* 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 Center for Engaged Learning & Teaching Annual Poster Day, 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 Tulane Research and Idea Symposium Poster Session, 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 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 First Year.* Poster presented at Tulane Research, Innovation and Creativity Summit, New Orleans, LA

Alperstein*, A., **Montgomery, B.,** Marcus, T., & Markant, J. (2024, October). *Attention Orienting Biases to Stranger Over Caregiver Faces Linked to Social Network Structure in Four-Month-Old Infants.* Poster presented at Tulane Research and Idea Symposium Poster Session, New Orleans, LA

Ehrenreich*, K., **Montgomery, B.,** Hunter, B.K., & Markant, J. (2024, October). *Presence of Own-Race Faces Influences Attention Allocation of Physically Salient Stimuli.* Poster presented at Tulane Research and Idea Symposium Poster Session, New Orleans, LA.

Alperstein*, A., **Montgomery, B.,** Marcus, T., & Markant, J. (2024, October). *Four-Month-Old Infants' Attention to Caregiver versus Stranger Faces Relates to Social Network Fragmentation.* Poster presented at School of Science and Engineering Undergraduate Poster Session, New Orleans, LA

Montgomery, B., Hunter, B.K., & Markant, J. (2024, April). *Investigating the Role of Direct Competition on Species- and Race-based Attention Orienting Biases to Faces during Infancy.* Poster presented at Tulane Research, Innovation and Creativity Summit, New Orleans, LA.

- 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 Tulane Research, Innovation and Creativity Summit, New Orleans, LA.

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

RESEARCH EXPERIENCE

Doctoral Student Fall 2023 – Present
Learning & Brain Development Lab
Department of Psychology, Tulane University
PI: Dr. Julie Markant

Laboratory Manager August 2021 – August 2023
Learning & Brain Development Lab
Department of Psychology, Tulane University
PI: Dr. Julie Markant

Research Assistant Spring 2021 – Summer 2021
Brain and Memory Lab
Department of Psychology, Louisiana State University
PI: Dr. Heather Lucas

Research Assistant Fall 2020 – Spring 2021
Elliott Attention Recall and Sounds Lab
Department of Psychology, Louisiana State University
PI: Dr. Emily Elliott

Research Assistant Spring 2020
Jason Hicks Working Memory Lab
Department of Psychology, Louisiana State University
PI: Dr. Jason Hicks

DEPARTMENT & UNIVERSITY SERVICE

Student Representative, Ph.D. Recruitment Fall 2025 – Spring 2026
Psychology Department, Tulane University

Student Representative, Psychology Fall 2023 – Spring 2025
Graduate Studies Student Association

Student Representative, Search Committee Fall 2023 – Spring 2025
Tenure-track Assistant Professor in Developmental Psychology
Psychology Department, Tulane University

TEACHING EXPERIENCE

Guest Lecture Spring 2024
CRN 35131: *Applications of Psychology*
University of Central Arkansas

PROFESSIONAL AFFILIATIONS

Society for Research in Child Development | Psychonomic Society | International Society for Developmental Psychobiology | Women in Cognitive Science | The Greater New Orleans Society for Neuroscience

SKILLS & QUALIFICATIONS

Data Collection and Processing Software: BioSemi, Dataviewer, Datavyu, HRVanalysis, Mindware, Qualtrics, RedCap, SR Research
Experiment and Stimulus Design: Adobe Creative Suite, Experiment Builder
Statistical Software: MATLAB, Python, R, SPSS

REFERENCES

Dr. Julie Markant, Associate Professor, Department of Psychology, Tulane University, New Orleans, Louisiana
Email: jmarkant@tulane.edu

Dr. Mike Cunningham, Professor and Associate Provost for Graduate Studies and Research, Department of Psychology, Africana Studies Program, Tulane University, New Orleans, Louisiana
Email: mcunnin1@tulane.edu

Updated March 2026

Dr. Emily Elliott, Professor and Department Chair, Department of Psychology, Louisiana State University, Baton Rouge, Louisiana
Email: eelliott@lsu.edu

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