

BROOKE MONTGOMERY

Department of Psychology
2007 Percival Stern Hall Tulane University
New Orleans, LA 70118
Email: bmontgomery2@tulane.edu

Research Interest: Attention, Reward & Development

EDUCATION

Doctoral Student , Psychological Science Focus: Brain, Cognition, and Developmental Science Tulane University New Orleans, LA Advisor: Dr. Julie Markant	Fall 2023 – Present
Bachelor of Science , Psychology Louisiana State University Baton Rouge, LA	Fall 2017 – Spring 2021

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., **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

Peer Reviewed Presentations

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

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, 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 | Tulane Graduate Women in Science and Engineering | The Greater New Orleans Society for Neuroscience

SKILLS & QUALIFICATIONS

Data Collection and Processing Software: BioSemi, Dataviewer, Datavyu, Mindware, Qualtrics, RedCap, SR Research

Experiment and Stimulus Design: Adobe Creative Suite, Experiment Builder

Statistical Software: MATLAB, Python, R, SPSS

Other Software: Canva, Elementor, FileMaker Pro, IRBManager, SONA Systems, Wordpress

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

Dr. Emily Elliott, Professor and Department Chair, Department of Psychology, Louisiana State University, Baton Rouge, Louisiana

Email: eelliott@lsu.edu