

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

Bachelor of Science, Psychology Fall 2017 – Spring 2021
Louisiana State University
Baton Rouge, LA

AWARDS

School of Science & Engineering Graduate Student Best Poster Award 2024
The Flowerree Summer Research Award 2024
International Society for Developmental Psychobiology Travel Award 2022
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

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 submitted to 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 submitted to 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*. Poster submitted to the International Society for Developmental Psychobiology, Chicago, IL.

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.

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.

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.

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).

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 Hick's Lab
Department of Psychology, Louisiana State University
PI: Dr. Jason Hicks

DEPARTMENT & UNIVERSITY SERVICE

Student Representative, Psychology

Fall 2023 – Present

Graduate Studies Student Association

Student Representative, Search Committee

Fall 2023 – Present

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

Psychonomic Society Member

Spring 2023 – Present

Tulane Graduate Women in Science and Engineering

Fall 2023 – Present

International Society for Developmental Psychobiology Member

Fall 2022 – Present

Women in Cognitive Science

Spring 2022 – Present

The Greater New Orleans Society for Neuroscience

Fall 2021 – Present

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

Email: eelliott@lsu.edu

Dr. Heather Lucas, Assistant Professor, Department of Psychology, Louisiana State University,
Baton Rouge, Louisiana
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