

# BROOKE MONTGOMERY

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

**Research Interest:** Attention, Reward & Development

## EDUCATION

---

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

## AWARDS

---

|  |             |
|--|-------------|
| Society for Research in Child Development Travel Award             | 2025        |
| School of Science & Engineering Graduate Student Best Poster Award | 2024        |
| The Flowerree Summer Research Award                                | 2024        |
| 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 accepted to 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 accepted to 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 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**

Ehrenreich\*, K., **Montgomery, B.**, Hunter, B.K., & Markant, J. (2024, October). *Presence of Own-Race Faces Influences Attention Allocation of Physically Salient Stimuli*. Poster submitted to Tulane Research and Idea Symposium Poster Session, 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 submitted to 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 – 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**

---

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](mailto: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](mailto:mcunnin1@tulane.edu)

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

Email: [eelliott@lsu.edu](mailto:eelliott@lsu.edu)