BROOKE MONTGOMERY

Department of Psychology

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

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| **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 | 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, 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 submitted to the Society for Research in Child Development, Minneapolis, MN.

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 submitted 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 Hick 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 Member Fall 2024 – Present 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, 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

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**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

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