

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

M.S., Psychological Science Spring 2026
Tulane University
New Orleans, LA
Advisor: Dr. Julie Markant
Thesis: *Direct competition differentiates the development of species- and race-based attention orienting and holding biases in infancy*

B.S., 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 Biennial Graduate Student Travel Award	2025
Tulane School of Science & Engineering Graduate Student Best Poster Award	2024
The Flowerree Summer Research Award	2024 – 2026
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

Peer Reviewed Presentations

Brown, K., **Montgomery, B.**, Sridhar*, A., Feiler, B. J., & Markant, J. (2027, April). *Stability and Convergence Across Multiple Measures of Endogenous Attention Skills at 4-, 6-, and 8-Months of Age*. Poster submitted to the Society for Research in Child Development, Atlanta, GA.

Montgomery, B., Venter*, S., Marcus, T., & Markant, J. (2027, April). *Number of Caregivers and Task Contexts Shape 6-Month-Old Infants' Attention Orienting to Stranger Faces*. Poster submitted to the Society for Research in Child Development, Atlanta, GA.

- Brown, K., **Montgomery, B.**, Sridhar*, A., Feiler, B. J., & Markant, J. (2026, November). *Convergence and Stability of Endogenous Attention Over The First Year: Relating Eye Movement Control, Sustained Attention, And Temperament At 4-, 6-, And 8-Months*. Poster accepted to International Society for Developmental Psychobiology, New Orleans, LA
- Crawford*, E., **Montgomery, B.**, Meyer*, E., Gray, S., & Markant, J. (2026, November). *Caregiver Sensitivity on Infants' Attention Orienting Biases to Caregiver vs. Stranger Faces at 4 Months of Age*. Poster accepted to International Society for Developmental Psychobiology, New Orleans, LA
- Montgomery, B.**, Venter*, S., Marcus, T., & Markant, J. (2026, November). *Number of Caregivers in 6-Month-Old Infants' Social Networks Shapes Attention Orienting Biases to Caregiver vs. Stranger Faces in Direct Competition*. Poster accepted to International Society for Developmental Psychobiology, New Orleans, LA
- 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 presented at the International Congress on Infant Studies, Panama City, Panama.
- 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 presented at 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 presented at 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 Biennial Graduate Student Travel Award
- 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*. Flash Talk and poster 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

Crawford*, E., **Montgomery, B.**, Meyer*, E., Gray, S., & Markant, J. (2026, July). *Caregiver Sensitivity on Infants' Attention Orienting Biases to Caregiver vs. Stranger Faces at 4 Months of Age*. Poster presented at the Tulane University Research Program in Neuroscience Summer Program, New Orleans, LA

Venter*, S., **Montgomery, B.**, Marcus, T., & Markant, J. (2026, April). *The Role of 6-month-old Infants' Social Network Size on their Attention Orienting to Caregiver vs. Stranger Faces*. Poster presented at the Spring Undergraduate Poster Session, New Orleans, LA

- Best Use of Data Award

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 presented at Tulane Research, Innovation and Creativity Summit, New Orleans, LA

- Tulane School of Science & Engineering Best Poster Award

Venter*, S., **Montgomery, B.**, Marcus, T., & Markant, J. (2026, April). *The Role of 6-month-old Infants' Social Network Size on their Attention Orienting to Caregiver vs. Stranger Faces*. Lightning talk and poster presented at 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 TRAINING

Doctoral Student

Fall 2023 –

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. Admissions Committee

Fall 2025 –

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

R Programming Instructor

Summer 2026

9-week R programming and statistical analysis course: Learning & Brain Development Lab
Tulane University

Guest Lecture

Spring 2024

CRN 35131: Applications of Psychology
University of Central Arkansas

MENTORSHIP

¹ Presented poster at local conference; ² Presented poster at national or international conference;

³ Co-author on publication; + Awarded research funding; Awarded for research presentation

Tulane University

Carsyn Olivier

Clare McIntyre

Emma Meyer^{1, +}

Kasey Ehrenreich ^{1, +}

Sophia Nahabedian

Joy Fu

Alyssa Alperstein^{1, +}

Max Curl

Ellie Jackson

Bell Mainiero¹

Nicole Miller

Shanae Venter^{1, +}

Makenzie Soto¹

Zoe Sanders

Catherine MacConnell¹

Emma Crawford^{1, 2, +}

Maira Ansari

Julia Romagnoli

Ella Puckett

Nemat Iddisah

Mia Cordero

Gabriel Levin

Lana Alsghair

Madison Feracci

Katie Tran

Lisa Anderson

Brian Silverboard

Hanna Sieradzki

Ashoka University

Aditi Sridhar^{1, 2, 3, +}

PROFESSIONAL AFFILIATIONS

Cognitive Development Society | International Congress of Infant Studies | International Society for Developmental Psychobiology | Society for Research in Child Development | The Greater New Orleans Society for Neuroscience | Women in Cognitive Science

SKILLS & QUALIFICATIONS

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

Experiment and Stimulus Design: Adobe Creative Suite, Experiment Builder, PsychoPy

Statistical Software: MATLAB, Python, R, SPSS

MEDIA

Tulane University (2026, April). *Inside Tulane's Learning & Brain Development Lab.*

<https://www.youtube.com/watch?v=Fk-MP8P5e94>

The Tullanian (2026, April). *Playing for Attention: How Babies Learn to Focus.*

<https://tullanian.tulane.edu/spring-2026/playing-attention-how-babies-learn-focus>

Tulane Today. (2025, August). *Tulane graduate students spend a busy summer focusing on research*. <https://news.tulane.edu/news/tulane-graduate-students-spend-busy-summer-focusing-research>

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