

William John Mitchell

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Philadelphia, Pennsylvania - 19129, USA

Last Updated on April 24, 2025

OBJECTIVE

I'm a social and affective neuroscientist who uses dynamic, feature-rich study designs to study neural, behavioral, and physiological representations of emotion, social decision making, and self-regulation.

EDUCATION

Temple University | Ph.D. Cognition & Neuroscience

Concentration in Quantitative Methods

GPA: 3.97 | Mentor: Chelsea Helion

Sept. 2019 - Aug. 2025

Philadelphia, PA

Loyola University Maryland | B.A. Psychology

Graduated Magna Cum Laude

GPA: 3.72

Aug. 2010 - May 2014

Baltimore, MD

EXTERNAL FUNDING

National Institute of Health | National Institute of Neurological Disorders and Stroke

D-SPAN F99 Pre-Doctoral Scholar

Jan. 2024 - Aug. 2025

\$71,362

National Institute of Health | National Institute of Neurological Disorders and Stroke

D-SPAN K00 Post-Doctoral Scholar (Funding Mechanism Illegitimately Retired by Trump Administration)

Unclaimed

\$275,800

SKILLS

Programming Languages: R • Bash • Python • SQL • Javascript • CSS • HTML • Git • Markdown • LaTeX

Selected Libraries: lme4 • Shiny • Tidyverse • Pandas • NumPy • PyTorch • SciPy • TensorFlow

Statistical Methods: Factor Analysis • Hierarchical Modeling • Non-parametric Statistics • Neural Networks • Permutation Testing & Bootstrapping • Intersubject Correlations • Representational Similarity Analyses

Neuroimaging Tools: Lvl 3 Siemens 3T Prisma • FSL • fMRIPrep • nilearn • NLTools • MRICroGL

Experiment & Stimulus Design: Adobe Creative Suite • PsychoPy • jsPsych • Reaper • Audacity

Stimulus Feature Analysis: Hume.AI • EmoNet • LIWC • Whisper

Electronic Data Capture: Qualtrics • REDCap • EPIC • OnCore • Prolific • Pavlovia

OTHER RESEARCH EXPERIENCE

Clinical Research Coordinator

Children's Hospital of Philadelphia | Gastroenterology, Hepatology, & Nutrition

PI: Natalie Terry, Louis Ghanem

Oct. 2017 - Aug. 2019

Philadelphia, PA

Editorial Office Manager

Elsevier | Drug & Alcohol Dependence

Editor in Chief: Eric Strain

Nov. 2016 - May 2018

Baltimore, MD

Research Coordinator

Johns Hopkins University | Behavioral Pharmacology Research Unit

PI: Ryan Vandrey, Maxine Stitzer

April 2016 - Oct. 2017

Baltimore, MD

Research Assistant

Johns Hopkins University | Behavioral Pharmacology Research Unit

PI: Ryan Vandrey, Maxine Stitzer

Sept. 2013 - April 2016

Baltimore, MD

HONORS & AWARDS

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|--|-----------------------|
| First Place Dissertation Proposal <i>Fox Center for Applied Research in Decision Making (CARD) - Ipsos</i> | Feb. 2024 \$2500 |
| Summer Fellowship <i>Methods in Neuroscience at Dartmouth Computational Summer School</i> | Aug. 2023 |
| Summer Fellowship <i>Summer Institute for Social and Personality Psychology (SISPP)</i> | July 2023 |
| Fellowship <i>NeuroHackademy</i> | July 2022 |
| Mentor of the Year <i>Temple University Psychology Department Honors Class</i> | April 2022 |
| Graduate Travel Award <i>Society for Personality & Social Psychology (SPSP)</i> | Feb. 2022 \$500 |
| Poster Award <i>Social & Affective Neuroscience Society (SANS)</i> | April 2021 \$200 |
| Poster Award <i>Society for Personality & Social Psychology (SPSP) Emotion Pre-Conference</i> | Feb. 2021 |
| Presidential Scholarship <i>Loyola University Maryland</i> | Sept. 2011 - May 2014 |
| University Scholarship <i>Loyola University Maryland</i> | Sept. 2011 - May 2014 |

PUBLICATIONS

In Preparation

- Kos, M., Mitchell, W. J., Wyngaarden III, C., James B. Helion, Smith, D. V., Fareri, D. S., & Jarcho, J. (n.d.). *Representations of monetary and social feedback across social and non-social contexts* [In Preparation].
- Mitchell, W. J., Bounyarith, T., O'Shea, I., Stasiak, J., Schmidt, H., & Helion, C. (n.d.-a). *Synchrony in dynamic social and non-social decision-making under uncertainty* [In Preparation].
- Mitchell, W. J., Schmidt, H., & Helion, C. (n.d.-b). *Neural effects of continuous ratings during active engagement within a video fmri paradigm* [In Preparation].

Under Review

- O'Shea, I., Reisman, S., Gregory, D. F., Stasiak, J., Mitchell, W. J., Jarcho, J., Adcock, A. R., Helion, C., & Murty, V. (n.d.). *Threat-related arousal biases the content and communication of episodic memory* [Under Review].
- Reisman, S., Gregory, D. F., Stasiak, J., Mitchell, W. J., Helion, C., & Murty, V. (n.d.). *Influence of naturalistic, emotional context and intolerance of uncertainty on arousal-mediated biases in episodic memory* [Under Review]. <https://doi.org/http://dx.doi.org/10.34944/dspace/7922>
- Ulichney, V., Helzer, E., Mitchell, W. J., Pizarro, D., & Helion, C. (n.d.). *Drawn to the dark side? estimating the contributions of moral impulse strength and self-control in predictions of moral behavior* [Under Review].

Published

- Martinez, S., Cliver, I., Katelyn, Mitchell, W. J., Schmidt, H., Ulichney, V., Chein, J., & Murty, V. (2025). Linguistic properties of memory expression differentially relate to accuracy, specificity, and perceived veracity. *Psychonomic Bulletin Review*, 1–11. <https://doi.org/10.3758/s13423-025-02667-9>
- Mitchell, W. J., Stasiak, J., Martinez, S. A., Cliver, K., Gregory, D., Reisman, S., Schmidt, H., Murty, V., & Helion, C. (2025). Emotion regulation strategy use and forecasting in response to dynamic, multimodal stimuli. *Journal of Experimental Psychology: General*, Advance online publication. <https://doi.org/10.1037/xge0001715>
- Schmidt, H., Tran, S., Medaglia, J. D., Ulichney, V., Mitchell, W. J., & Helion, C. (2025). Conversational linguistic features inform social-relational inference. *Psychonomic Bulletin Review*, 1–18. <https://doi.org/10.3758/s13423-025-02654-0>
- Cliver, K. G., Gregory, D. F., Martinez, S. A., Mitchell, W. J., Stasiak, J. E., Reisman, S. S., Helion, C., & Murty, V. P. (2024). Temporal memory for threatening events encoded in a haunted house [PMID: 38625561]. *Cognition and Emotion*, 1–17. <https://doi.org/10.1080/02699931.2024.2338962>

- Stasiak, J. E., Mitchell, W. J., Reisman, S. S., Gregory, D. F., Murty, V. P., & Helion, C. (2023). Physiological arousal guides situational appraisals and metacognitive recall for naturalistic experiences. *Neuropsychologia*, 180, 108467. <https://doi.org/10.1016/j.neuropsychologia.2023.108467>
- Kastl, A., Zong, W., Gershuni, V. M., Friedman, E. S., Tanes, C., Mitchell, W. J., Boateng, A., O'Connor, K., Bittinger, K., Terry, N. A., Bales, C., Albenberg, L., & Wu, G. D. (2022). Dietary fiber-based regulation of bile salt hydrolase activity in the gut microbiota and its relevance to human disease. *Gut Microbes*, 14(1), 2083417. <https://doi.org/10.1080/19490976.2022.2083417>
- Mitchell, W. J., Tepfer, L. J., Henninger, N. M., Perlman, S. B., Murty, V. P., & Helion, C. (2021). Developmental Differences in Affective Representation Between Prefrontal and Subcortical Structures. *Social Cognitive and Affective Neuroscience*, 17(3), 311–322. <https://doi.org/10.1093/scan/nsab093>

TEACHING & MENTORSHIP

Instructor of Record

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|---|-------------|
| Developmental Psychology Temple University | Summer 2023 |
| Developmental Psychology Temple University | Summer 2022 |
| Statistics for Psychology Temple University | Summer 2021 |

Teaching Assistant

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| Workings of the Mind Temple University | Fall 2023 |
| Behavioral Neuroscience Temple University | Spring 2023 |
| Statistics for Psychology Temple University | Fall 2022 |
| Fundamentals of Neuroscience Temple University | Spring 2021 |
| Fundamentals of Neuroscience Temple University | Fall 2020 |

Workshop Designer/Leader

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|---|-----------|
| Analyzing Data in R The Coding Outreach Group | Dec. 2023 |
| Introduction to SQL The Coding Outreach Group | July 2023 |
| Analyzing Data in R The Coding Outreach Group | Dec. 2022 |
| Animating Data in R The Coding Outreach Group | July 2022 |
| Analyzing Data in R The Coding Outreach Group | Dec. 2021 |
| Visualizing Data in R The Coding Outreach Group | July 2021 |

Miscellaneous

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| BPRU Internship Program Manager Johns Hopkins University | 2015 - 2017 |
| Psychology Department Mentor Loyola University Maryland | 2012 - 2014 |

Undergraduate Mentees

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| Ashley Forrest Temple University | 2024 - 2025 |
| Caroline George Temple University | 2023 - 2024 |
| Aaliyah Johnson Temple University | 2023 |
| Tiara Bounyarith Temple University | 2022 - 2023 |
| Modupe Osuntokun Temple University | 2022 |
| Brett Kunkel West Chester University | 2022 - 2024 |
| Angelique Vittone Temple University | 2021-2022 |
| Sophia Tran Temple University | 2020 - 2022 |
| Niambe Bacon Lincoln University | 2021 |

PROGRAMMING CONTRIBUTIONS

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| DnDr | Contributor |
| <i>Dungeons & Dragons Functions for Players and Dungeon Masters</i> | R |
| jsPsych | Contributor |
| <i>a framework for creating behavioral experiments that run in a web browser</i> | JavaScript, HTML |

RELEVANT SERVICE & LEADERSHIP

| | |
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| Panelist <i>Temple University First-Generation Graduate Student Panel</i> | 2025 |
| Election Committee Lead for Board Positions <i>Temple University Graduate Student Association</i> | 2024, 2025 |
| Ad Hoc Reviewer <i>Journal of Neuroscience</i> | 2023 |
| Colloquium Coordinator <i>Temple University Neuroscience Colloquium Series</i> | 2023 |
| Steward <i>Temple University Graduate Student Association</i> | 2023 - 2024 |
| Action Coordinator <i>Temple University Graduate Student Association</i> | 2023 |
| Co-Director <i>Coding Outreach Group</i> | 2022 - 2024 |
| Program Assistant <i>Coding Outreach Group</i> | 2021 - 2022 |
| Contract Research Team <i>Temple University Graduate Student Association</i> | 2021, 2024 |
| Research Awards Reviewer <i>SPSP Student Committee</i> | 2021 |
| Core Coordination Team <i>Temple University Graduate Student Association</i> | 2020 - 2023 |
| Racial Justice Committee <i>Temple University Graduate Student Association</i> | 2020 - 2021 |
| Remodeling Committee Coordinator <i>Johns Hopkins BPRU</i> | 2016 - 2017 |
| Psi Chi Honors Society Chapter Co-President <i>Loyola University Maryland</i> | 2013 - 2014 |
| Co-Founder, Co-President <i>Loyola University Maryland Psychological Research Society (PURSUE)</i> | 2013 - 2014 |

POSTERS & PRESENTATIONS

Invited Presentations

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| Decision-Making in Dynamic and Complex Contexts <i>Social & Affective Neuroscience Lab</i> | Jan. 2025 Rutgers University - Newark |
| Examining Neural Synchrony When We Resolve Uncertainty <i>The Mid-Atlantic Neuroscience Diversity Scholars (MiNDS) program</i> | Sept. 2024 Temple University |
| Neural and Behavioral Synchrony in Social and Non-Social Uncertainty Using Video Stimuli <i>Functional Imaging & Naturalistic Neuroscience Lab</i> | Feb. 2024 Dartmouth University |
| Emotions, Self-Regulation Use, and Forecasting Using Dynamic, Feature-Rich Stimuli <i>Affective & Brain Sciences Lab</i> | Dec. 2023 Northeastern University |
| Fear Factor: Emotions and Self-Regulation in a Threatening, Quasi-Naturalistic Setting <i>March Lab</i> | Oct. 2023 Florida State University |
| Neural Representations of Affective Information Across Developmental Contexts <i>Fundamentals of the Adolescent Brain Lab</i> | Oct. 2021 Yale University |

Symposia & Seminars

- Moriarty, D., **Mitchell, W.J.**, Slavich, G.M., Forney, J., & Schermitzler, B. (2024). Beyond the Trier: Embracing the Diversity of Stressful Experiences and Moving Toward Precision Stress Research. *Annual Conference of the Association of Psychological Science in San Francisco, CA.* **Presenter** **Video**
- Mitchell, W.J.**, Helion, C., Satpute, A.B., Nook, E.C., & Cosme, D.J., (2022). Contextualizing Emotion – Influences of Context on Affective Representation, Experience and Regulation. *Annual Conference of the American Psychological Association in Minneapolis, MN.* **Organizer** **Presenter**
- Mitchell, W.J.**, Tepfer, L. J., Henninger, N. M., Perlman, S. B., Murty, V. P., & Helion, C. (2022). Neurodevelopmental differences in affective representations between adults and children. *Annual Decision Neuroscience Symposium in Philadelphia, PA.* **Presenter**
- Mitchell, W.J.**, Stasiak, J., Gregory, D., Reisman, S., Murty, V., & Helion, C. (2020). When We Regulate At Eastern State: Regulation Beyond the Lab. *Maladaptive Motivational Behavior Seminar Series in Philadelphia, PA.* **Presenter**

Selected Poster Presentations

- Mitchell, W.J., Schmidt, H., & Helion, C. (2025). The Neural Impact of Continuous Ratings in a Naturalistic Video Paradigm. *Annual Convention of the Social and Affective Neuroscience Society in Chicago, IL*. **Presenter**
- Mitchell, W.J., O'Shea, I., Bounyarith, T., Stasiak, J., & Helion, C. (2024). Neural and Behavioral Synchrony in Social and Non-Social Uncertainty using Video Stimuli. *Annual Convention of the Social and Affective Neuroscience Society in Toronto, Canada*. **Presenter**
- Schmidt, H., Tran, S., Medaglia, J., Ulichney, V., Mitchell, W. J., & Helion, C. (2024). Conversation Similarity Predicts Social Relational Inference. *Annual Convention of the Social and Affective Neuroscience Society in Toronto, Canada*.
- Mitchell, W.J., Stasiak, J., Cliver, K., Martinez, S., Gregory, D., Reisman, S., Murty, V., & Helion, C. (2024). High-Intensity, Dynamic Stimuli Complicate Emotion Regulation Strategy Usage. *Annual Convention of the Society for Personality and Social Psychology in San Diego, CA*. **Presenter**
- Mitchell, W.J., Stasiak, J., Cliver, K., Martinez, S., Gregory, D., Reisman, S., Murty, V., & Helion, C. (2023). Emotion Regulation Strategy Usage in a Quasi-Naturalistic Context. *Annual Convention of the Society for Affective Science in Long Beach, CA*. **Presenter**
- Martinez, S., Cliver, K., Mitchell, W.J., Schmidt, H., Helion, C., Chein, J., & Murty, V.P. Linguistic cues of memory accuracy differ for low-threat and high-threat memories. (2023). *Annual Convention of the Cognitive Neuroscience Society in San Francisco, CA*.
- Mitchell, W.J., Tepfer, L.J., Henninger, N., Perlman, S.B., Murty, V., & Helion, C. (2022). Do You Feel How I Feel?: Developmental Differences in Affective Neural Representations. *Annual Flux convention in Paris, FR*. **Presenter Video**
- Mitchell, W.J., Stasiak, J., Gregory, D., Reisman, S., Murty, V., & Helion, C. (2022). Emotional Intensity Influences Prediction but Not Action in Emotion Regulation. *Annual Convention of the Society for Affective Science*. **Presenter Video**
- Martinez, S., Cliver, K., Mitchell, W.J., Helion, C., Chein, J., & Murty, V.P. Learning Goals Drive Retroactive Memory Enhancements for a Real-Life Experience. (2022). *Annual Convention of the Cognitive Neuroscience Society in San Francisco, CA*.
- Cliver, K., Gregory, D., Martinez, S., Mitchell, W., Stasiak, J., Reisman, S., Helion, C., Murty, V. P. (2022) Temporal Memory for Threatening Events Encoded in a Haunted House. *Annual Convention of the Cognitive Neuroscience Society in San Francisco, CA*.
- Mitchell, W.J., Stasiak, J., Gregory, D., Reisman, S., Murty, V., & Helion, C. (2022). Emotional Intensity Influences Prediction but Not Action in Emotion Regulation. *Annual Convention of the Society for Personality and Social Psychology*. **Presenter Video**
- Mitchell, W.J., Tepfer, L.J., Henninger, N., Murty, V., Helion, C., & Perlman, S.B. (2021). Do You Feel How I Feel?: Developmental Differences in Affective Neural Representations. *Annual Meeting of the Social Affective Neuroscience Society*. **Presenter Video**
- Mitchell, W.J., Tepfer, L.J., Henninger, N., Murty, V., Helion, C., & Perlman, S.B. (2021). Do You Feel What I Feel?: Developmental Differences in Emotion Representation. *Annual Meeting of the Society for Personality and Social Psychology Emotion Pre-Conference*. **Presenter Video**
- Mitchell, W.J., Stasiak, J., Gregory, D., Reisman, S., Murty, V., & Helion, C. (2021). Fear and Loathing in Eastern State Penitentiary: Emotion Regulation in a Quasi-Naturalistic Setting. *Annual Meeting of Society for Personality and Social Psychology*. **Presenter**
- Stasiak, J., Mitchell, W.J., Reisman, S., Gregory, D., Murty, V., & Helion, C. (2021). Talking about fright club: Physiological and emotional arousal guide metacognition for naturalistic experiences. *Annual Meeting of the Social and Affective Neuroscience Society (Virtual)*.
- Reisman, S., Mitchell, W.J., Stasiak, J., Gregory, D. F., Helion, C., & Murty, V. P. (2021). Intolerance of uncertainty influences arousal-mediated biases in episodic memory. *Annual Meeting of the Cognitive Neuroscience Society (Virtual)*.
- Stasiak, J., Helion, C., Mitchell, W.J., Reisman, S., Gregory, D., & Murty, V. P. (2021). Disparities in self-regulation assessments of emotionally salient experiences. *Annual Convention of the Society for Personality and Social Psychology (Virtual)*.
- Reisman, S., Gregory, D. F., Mitchell, W.J., Stasiak, J., Helion, C., & Murty, V. P. (2020). Amplification of perceptual details in memory for a real-world, emotionally-arousing event. *Annual Context and Episodic Memory Symposium (Virtual)*.
- Gregory, D. F., Reisman, S., Mitchell, W.J., Stasiak, J., Helion, C., & Murty, V. P. (2020). Disruption of temporal clustering and forward transition movement during memory recall for a real-world, emotionally-arousing event. *Annual Context and Episodic Memory Symposium (Virtual)*.

PROFESSIONAL MEMBERSHIPS

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|---|----------------|
| Flux Society | 2021 - 2023 |
| Society for Affective Science | 2021 - 2023 |
| Social & Affective Neuroscience Society | 2020 - Present |
| Association for Psychological Science | 2020 - 2023 |

