

William John Mitchell

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Philadelphia, Pennsylvania - 19129, USA

OBJECTIVE

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

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

Sept. 2025 - Sept. 2029

\$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 • Intersubject Correlations • Permutation Testing & Bootstrapping • Representational Similarity Analysis

Neuroimaging Tools: Lvl 3 Siemens 3T Prisma • FSL • fMRIPrep • 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 • MTurk • Shiny • Pavlovica

RESEARCH EXPERIENCE

Graduate Research Assistant

Temple University | Social & Affective Neuroscience Lab

PI: Chelsea Helion

Sept. 2019 - Aug. 2025

Philadelphia, PA

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

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

- Martinez, S., Cliver, I., Katelyn, Mitchell, W. J., Schmidt, H., Ulichney, V., Chein, J., & Murty, V. (n.d.). *Linguistic properties of memory expression influence perceptions of veracity, despite being unrelated to memory accuracy* [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].
- 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

- Mitchell, W. J., Stasiak, J., Martinez, S. A., Cliver, K., Gregory, D., Reisman, S., Schmidt, H., Murty, V., & Helion, C. (In Press). Emotion regulation strategy use and forecasting in response to dynamic, multimodal stimuli [In Press]. *Journal of Experimental Psychology: General*.
- Schmidt, H., Tran, S., Medaglia, J. D., Ulichney, V., Mitchell, W. J., & Helion, C. (In Press). *Conversational linguistic features inform social-relational inference* [In Press].
- 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

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

Teaching Assistant

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

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

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

Undergraduate Mentees

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

RELEVANT SERVICE & LEADERSHIP

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
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 Coding Outreach Group	2022 - 2024
Program Assistant Coding Outreach Group	2021 - 2022
Contract Research Team Temple University Graduate Student Association	2021, 2024
Research Awards Reviewer SPSP Student Committee	2021
Core Coordination Team Temple University Graduate Student Association	2020 - 2023
Racial Justice Committee Temple University Graduate Student Association	2020 - 2021
Remodeling Committee Coordinator Johns Hopkins BPRU	2016 - 2017
Psi Chi Honors Society Chapter Co-President Loyola University Maryland	2013 - 2014
Co-Founder, Co-President Loyola University Maryland Psychological Research Society (PURSUE)	2013 - 2014

POSTERS & PRESENTATIONS

Invited Presentations

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

Symposia & Seminars

- Moriarity, 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.**, 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

Flux Society	2021 - 2023
Society for Affective Science	2021 - 2023
Social & Affective Neuroscience Society	2020 - Present
Association for Psychological Science	2020 - 2023
Society for Personality & Social Psychology	2020 - 2025