

Kaitlyn Mundy

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Education

Columbia University, New York, NY

Psychology, PhD

Psychology, MA

Advisor: Dr. Meghan L. Meyer

Sept. 2025 - Present

Expected 2030

Expected 2027

Brown University, Providence, RI

Cognitive Neuroscience, Sc. B

Thesis: "Learning Valenced Motivational Incentives and their Effect on Cognitive Effort"

Advisor: Dr. Amitai Shenhav

Sept. 2019 - May 2023

Magna Cum Laude with Honors

Research Experience

Graduate Student Researcher

Columbia University

Columbia Social Neuroscience Lab

Sept. 2025 - Present

New York, NY

PI: Meghan L. Meyer

Lab Manager / Research Staff

Columbia University

Columbia Social Neuroscience Lab

Sept. 2023 - Aug. 2025

New York, NY

PI: Meghan L. Meyer

Undergraduate Research Assistant

Brown University

Shenhav Lab

Jan. 2021 - May 2023

Providence, RI

PI: Amitai Shenhav

Manuscripts in Preparation (*denotes shared first authorship)

Mundy, K.*, Broom, T.*, Iyer, S., Meyer, M. *Synchrony between social evaluation and self-reflection neural patterns during post-evaluation rest predicts internalizing what others think of us.*

Yee, D.M., Prater Fahey, M., Cheng, Z.W., Leng, X., Kim, J., Tarlow, M., **Mundy, K.**, Nevins, S., Shenhav, A. *Reward and punishment promote distinct neurocomputational effort profiles for adaptive cognitive control.*

Yee, D.M., Prater Fahey, M., Leng, X., Tarlow, M., Kim, J., **Mundy, K.**, Nevin, S., Shenhav, A. *Associations between socioeconomic status and positive vs. negative motivational influences on mental effort allocation.*

Conference Papers

Yee, D.M., Prater Fahey, M., Leng, X., Cheng, Z., Tarlow, M., Kim, J., **Mundy, K.**, Nevins, S., Shenhav, A. (2024) *Neurocomputational mechanisms of motivational influences on mental effort*. Computational Cognitive Neuroscience, Cambridge, MA.

Long Abstracts

Mundy, K.*, Broom, T.*, Iyer, S., Meyer, M. (2025) *Resting Minds, Lingering Words: How negative feedback is internalized after social evaluation*. Abstracts from the 2025 SAS Annual Meeting. (In Prep)

Conference Presentations

Schwyck, M.E.*, Meyer, M.*, **Mundy, K.**, Vyas, A., & Broom, T. (2025) *People are around me but not with me: Loneliness reflects disconnected self and social knowledge*. Society for Experimental Social Psychology Conference, Lisbon, Portugal.

Mundy, K., Schwyck, M.E., & Meyer, M.L. (2025) *Lonely individuals idiosyncratically interpret social information from novel narratives*. Social and Affective Neuroscience Society Conference, Chicago, IL.

Mundy, K.*, Broom, T.*, Iyer, S., Meyer, M. (2025) *Synchrony between social evaluation and self-reflection neural patterns during post-evaluation rest predicts internalizing what others think of us*. Society for Affective Science Conference, Portland, OR.

Schwyck, M.E., **Mundy, K.**, & Meyer, M.L. (2025) *Neural encoding of valenced social networks*. Society for Affective Science Conference, Portland, OR.

Yee, D.M., Prater Fahey, M., Leng, X., Tarlow, M., Kim, J., **Mundy, K.**, Nevins, S., Shenhav, A. (2023) *Decomposing the neurocomputational mechanisms of reward and aversive motivation on mental effort allocation*. Society for Neuroscience Meeting, Washington, D.C.

Mundy, K., Yee, D.M., Leng, X., Prater Fahey, M., Shenhav, A. (2022) *Age-Related Differences in the Influence of Positive and Negative Incentives on Mental Effort*. Society for Affective Science, Virtual.

Mundy, K., Yee, D.M., Leng, X., Prater Fahey, M., Shenhav, A. (2021) *Age-Related Differences in the Influence of Positive and Negative Incentives on Mental Effort*. Harvard Women in Psychology Trends in Psychology Summit, Virtual.

Mundy, K., Yee., D.M., Leng, X., Prater Fahey, M., Shenhav, A. (2021) *Age-Related Differences in the Influence of Positive and Negative Incentives on Mental Effort*. Brown University Undergraduate Teaching and Research Award Symposium, Virtual.

Honors and Awards

Honors Premium for Excellence in Cognitive Neuroscience **2023**
Awarded to outstanding Cognitive Neuroscience undergraduate honors theses

Undergraduate Teaching and Research Award **Summer 2021**
Undergraduate grant to fund a summer research project in collaboration with a faculty member

Professional Development

CCV Research Computing Bootcamp **June 2022**
Center for Computation and Visualization *Brown University, Providence, RI*

Carney Computational Modeling Workshop **August 2021**
Carney Institute for Brain Science *Brown University, Providence, RI*

Leadership and Communication

King House Literary Society	May 2020 - May 2023
<i>Undergraduate Literary Program House</i>	<i>Brown University, Providence, RI</i>
Co-Director of Community Values	Jan. 2023 - May 2023
Recruitment Committee Member	Jan. 2023 - May 2023
Diversity and Inclusivity Chair	Sept. 2022 - Dec. 2022
President	Sept. 2021 - Dec. 2021

- Planning and hosting weekly meetings and community events.
- Organizing and holding elections.
- Revising existing bylaws and drafting new addendums.
- Mediating conflict between members.
- Coordinating the development of COVID-conscious community rules and guidelines.

Triple Helix Scientific Magazine	Jan. 2020 - Dec. 2021
<i>Undergraduate Publication</i>	<i>Brown University, Providence, RI</i>
Writer and Editor	

- Drafting review articles synthesizing research findings from various fields (e.g. neuroscience, psychology, environmental science) to communicate them to a broader audience.
- Writing opinion pieces on societal issues with arguments supported by scientific findings.
- Attending weekly meetings for story pitches, research discussions, and writing workshops.
- Editing articles for clarity and content.

Matched Advising Program for Sophomores
Junior-Sophomore Peer Mentorship Program
Mentor

Sept. 2021 - May 2022
Brown University, Providence RI

Technical Skills

Programming Languages: Python, R, MATLAB, Javascript, Java, Bash

Software: PsychoPy, GitHub, Qualtrics, Jupyter Notebook, Google CoLab, Visual Studio Code, RStudio, Flywheel, XNAT, OverLeaf, Adobe Illustrator, Canva

Human Subject Recruitment Platforms: Prolific, SONA, RecruitMe (Columbia University platform for general population recruitment)

Certifications

CITI

- Social-Behavioral-Educational Researchers and Key Personnel
- Responsible Conduct of Research

Neuroimaging

- Trained as primary researcher for fMRI studies (Siemens 3T MRI Scanner)

Relevant Coursework

Graduate: Introduction to Statistical Modeling; Research Seminar in Cognition: Memory

Audited Courses: Natural Language Processing for the Social Sciences; Human-Computer Interaction

Undergraduate: Social Psychology; Computational Cognitive Neuroscience; Affective Neuroscience; Machine Learning; Neural Computation in Learning & Decision-Making; Neural Systems; Statistical Inference I; Linear Algebra; Deep Learning in Brains, Minds, and Machines; History of Artificial Intelligence

Other

Natural Languages: English (Native), Mandarin (Conversational), Arabic (Basic)

Hobbies: Drawing, hiking, writing, crossword puzzles, ukulele