

MARY C. WHATLEY
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EDUCATION

University of California, Los Angeles (UCLA)

Doctorate of Philosophy (Ph.D.) in Cognitive Psychology, Expected June 2023

Minor in Quantitative Psychology

Primary Advisor: Dr. Alan Castel

Master of Arts (M.A.) in Psychology, December 2019

Master's Thesis: Age-related differences in metacognition and memory for realistic associative information

University of North Carolina at Chapel Hill (UNC-Chapel Hill)

Bachelor of Science (B.S.) in Psychology, May 2016

Minor in Neuroscience

Highest Thesis Honors and Distinction

RESEARCH INTERESTS

Memory and metacognition in healthy aging, motivational influences on memory and metacognition, curiosity across the lifespan, successful aging, aging attitudes

PEER REVIEWED PUBLICATIONS

*indicates supervised undergraduate researcher

Jiang, O.*, **Whatley, M. C.**, & Castel, A. D. (In Press). The influence of emotional framing and graph complexity on biases in graphical memory for COVID-19 data. *Gerontology & Geriatric Medicine*.

Murphy, D. H., Agadzhanian, K., **Whatley, M. C.**, & Castel, A. D. (2021). Metacognition and fluid intelligence in value-directed remembering. *Metacognition and Learning*.

Whatley, M. C., & Castel, A. D. (2021). The role of metacognition and schematic support on younger and older adults' episodic memory. *Memory & Cognition*.

Whatley, M. C., & Castel, A. D. (2020). Improving expectations regarding aging in younger adults: A classroom study. *Educational Gerontology*.
<https://doi.org/10.1080/03601277.2020.1826088>

Whatley, M. C., Siegel, A. L. M., Schwartz, S. T., Silaj, K. M., & Castel, A. D. (2020). Younger and older adults' mood and expectations regarding aging during COVID-19. *Gerontology and Geriatric Medicine*, 6, 1–9.
<https://doi.org/10.1177%2F2333721420960259>

Hargis, M. B., **Whatley, M. C.**, & Castel, A. D. (2020). Remembering proper names as a potential exception to the better-than-average effect in younger and older adults. *Psychology and Aging, 35*(4), 497–507.
<https://psycnet.apa.org/doi/10.1037/pag0000472>

MANUSCRIPTS UNDER REVIEW

Whatley, M. C., Schwartz, S. T.*, Block, J. B.*, & Castel, A. D. (Under Review). Memory, metamemory, and false memory for features of familiar logos: A misinformation effect for the Apple logo.

INVITED BOOK CHAPTERS

Whatley, M. C., Murphy, D. H., Silaj, K. M., & Castel, A. D. (2021). Motivated memory for what matters most: How older adults (selectively) focus on important information and events using schematic support, metacognition, and meaningful goals. In G. Sedek, T. M. Hess, & D. R. Touron (Eds.), *Multiple pathways of cognitive aging: Motivational and contextual influences*.

Hargis, M. B., **Whatley, M. C.**, Siegel, A. L. M., & Castel, A. D. (2020). Motivated cognition and curiosity in the aging consumer. In A. Drolet, N. Schwarz, & C. Yoon (Eds.), *The aging consumer: Perspectives from psychology and economics* (2nd ed).

Siegel, A. L. M., **Whatley, M. C.**, Hargis, M. B., & Castel, A. D. (2020). Changes in Memory and Metacognition in Older Adulthood. In A. Drolet, N. Schwarz, & C. Yoon (Eds.), *The aging consumer: Perspectives from psychology and economics* (2nd ed).

CONFERENCE PRESENTATIONS AND ABSTRACTS

Whatley, M. C., Halamish, V., & Castel, A. D. (2022, Upcoming). *The Value of Motivated Learning: Does Extrinsic Motivation Undermine the Influence of Curiosity on Memory in Younger and Older Adults?* Poster to be presented at the Cognitive Aging Conference, Atlanta, GA.

Whatley, M. C., & Castel, A. D. (2021, November). *The Effect of Curiosity on Memory for Misinformation*. Poster presented at the Psychonomic Society Annual Meeting, Virtual Conference.

Murphy, D. H., Agadzhanian, K., **Whatley, M. C.**, & Castel, A. D. (2020, November). *Metacognition and fluid intelligence in value-directed remembering*. Poster presented at the Psychonomic Society Annual Meeting, Virtual Conference.

Hargis, M. B., **Whatley, M. C.**, & Castel, A. D. (2020, April). *Do younger and older adults see themselves as better than average? Not at remembering people's names*. Cognitive Aging Conference, Atlanta, GA. (Conference canceled)

- Whatley, M. C.**, & Castel, A. D. (2020, April). *Age-related differences in metacognition and memory for realistic associative information*. Cognitive Aging Conference, Atlanta, GA. (Conference canceled)
- Whatley, M. C.**, Schwartz, S. T. *, Block, J. *, Siegel, A. L. M., & Castel, A. D. (2019, November). *One Bad Apple: Visual Memory and Misinformation for the Apple Logo*. Poster presented at the Psychonomic Society Annual Meeting, Montreal, Canada.
- Whatley, M. C.**, & Castel, A. D. (2019, April). *Greater Expectations About Aging: Classroom Learning Improves Expectations about Aging in Younger Adults*. Poster presented at the UCLA Research Conference on Aging, Los Angeles, CA.
- Winner of Best Poster in Behavioral and Social Sciences category
- Bruzzese, J. M., George, M. R., Liu, J., **Whatley, M. C.**, Thomas, J. M., & Evans, D. (2018, May). The Preliminary Impact of a Web-Based Intervention for Adolescents with Uncontrolled Asthma: Results from a Randomized Pilot Trial. In *B16. State of the Art Interventions For Asthma Self-Management Across the Age Spectrum: Results from Clinical Trials* (pp. A2712-A2712). American Thoracic Society.
- Whatley, M. C.**, & Hollins, M. (2016, April). *Does apparent hand size affect thermal pain perception?* Poster presented at the Celebration of Undergraduate Research Conference, Chapel Hill, NC.
- Whatley, M. C.**, MacDonald, B., & Williamson, R. A. (2015, March). *Effects of intent and effectiveness on responses after collaboration in preschoolers*. Poster presented at the Southeastern Psychological Association Annual Research Conference, Hilton Head, SC.
- Whatley, M. C.**, MacDonald, B., & Williamson, R. A. (2014, October). *Effects of intent and effectiveness on responses after collaboration in preschoolers*. Poster presented at the Georgia State Psychology Undergraduate Research Conference, Atlanta, GA.

PATENTS

- Simons, S., Aguilar-Simon, M., Connolly, P., Estrada, R., Shimizu, R., & **Whatley, M.** (2020). Apparatus, system, and methods for targeted memory enhancement during sleep. *U.S. Patent No. 10,660,569*. Washington, DC: U.S. Patent and Trademark Office.

RESEARCH EXPERIENCE

Memory and Lifespan Cognition Lab, UCLA
Graduate Student Researcher, July 2018–Present
PI: Dr. Alan Castel

3C Institute for Social Development
Research Assistant I, October 2016–September 2018
PIs: Dr. Melissa DeRosier and Dr. Jim Thomas

Teledyne Scientific & Imaging

Research Assistant, January 2016–September 2016

PI: Dr. Stephen Simons

Somatosensory Lab, UNC-Chapel Hill

Undergraduate Honors Student & Research Assistant, January 2015–May 2016

PI: Dr. Mark Hollins

Learning and Development Lab, Georgia State University

Research Assistant, Summer 2014

PI: Dr. Rebecca Williamson

TEACHING EXPERIENCE

Lead Teaching Assistant, Research Methods in Psychology

Lead Teaching Assistant, UCLA, Spring 2021 – Winter 2022

Cognitive Psychology

Teaching Associate, UCLA

- Summer 2020, Overall rating: 8.47 (out of 9)
- Spring 2020, Overall rating: 8.53 (out of 9)

Research Methods in Psychology

Teaching Assistant, UCLA

- Winter 2021, Overall rating: 7.87 (out of 9)
- Fall 2020, Overall rating: 7.57 (out of 9)
- Winter 2020, Overall rating: 8.67 (out of 9)

Laboratory in Cognitive Psychology)

Teaching Assistant, UCLA

- Fall 2019, Overall rating: 8.43 (out of 9)

Introductory Psychology

Teaching Assistant, UCLA

- Spring 2019, Overall rating: 7.57 (out of 9)

AWARDS AND HONORS

UCLA Psychology in Action President	August 2021–Present
UCLA Psychology in Action Webmaster	August 2020–August 2021
Graduate Summer Research Mentorship Fellowship (\$6,000)	June 2019–August 2019
University Fellowship (\$21,000)	September 2018– June 2019
Chapel Hill-Carrboro City Schools Pam Bailey Volunteer Award	May 2016
UNC Karen M. Gil Internship in Psychology	Spring 2016
UNC Dean’s List	January 2013–May 2016

REVIEW EXPERIENCE

Metacognition and Learning, March 2022
APS Student Grant Competition, March 2022
Aging, Neuropsychology, and Cognition (Co-Review), October 2021
Metacognition and Learning, July 2021
Clinical Interventions in Aging, May 2021
APS Student Caucus RISE Research Award, April 2021
APS Student Caucus Grant Competition, December 2020
Cogent Psychology, November 2020
Psychology and Aging (Co-Review), August 2020
APS Student Caucus RISE Award, March, 2020
APS Student Caucus Grant Competition, December 2019

DATA ANALYSIS SKILLS

Analytical Techniques

- Multilevel modeling
- Mediation and moderation analysis
- Bayesian hypothesis testing

Software

- R, *proficient*
- SPSS, *proficient*
- JASP, *proficient*
- Jamovi, *proficient*
- STATA, *knowledgeable*
- Matlab, *knowledgeable*

PROFESSIONAL MEMBERSHIPS

Women in Cognitive Science (WiCS), *Member*
American Psychological Association (APA), *Graduate Student Member*
Association for Psychological Science (APS), *Graduate Student Member*
Psychonomic Society, *Graduate Student Member*
Psi Chi, *Southeastern Region Member*

UNDERGRADUATES MENTORED

*indicates honors project completed under supervision

Amber Gan (September 2021 – Present)
Alice Yang (March 2021–Present)*
Alexis Duke (April 2019–Present)
Ouxun Jiang (August 2019–June 2021)*

- Currently a graduate student in Psychology at Northwestern University

Jennifer Lew (August 2019–March 2020)

Shawn Schwartz (January 2019–June 2019)

- Currently a graduate student in Psychology at Stanford University

Jessica Block (January 2019–August 2019)

Melody Salimian (January 2019–June 2020)

Bronson Barretto (October 2018–June 2019)