

Katherine L. McNeely-White
Curriculum Vita
December 2020

Department of Psychology
Colorado State University
Fort Collins, CO 80523

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Education

Ph.D. **May 2022**

Colorado State University – Fort Collins, CO
Cognitive Psychology

M.S. **May 2020**

Colorado State University – Fort Collins, CO
Cognitive Psychology
Master's Thesis: The Subjective Sense of Familiarity with Music

B.S. **May 2017**

Maryville College – Maryville, TN
Major: Neuroscience (Psychology Track)
Honors: Summa cum laude
Undergraduate Thesis: The Effects of White Noise on the Encoding and Retrieval Processes of Working Memory in People with ADHD

Research and Work Experience

Research and Evaluation Assistant **June 2019 – February 2020**

Research Evaluation Consulting

- Processed and analyzed quantitative and qualitative data using SPSS and Excel
 - Developed key themes from qualitative data using a Grounded Theory Approach
- Conducted literature reviews, which entailed annotating articles and providing summary of findings reports
- Collaborated with team members in developing evaluation reports, focusing on communicating results to clients with actionable recommendations
- Survey development and implementation in SurveyMonkey

Graduate Student Researcher **August 2017 – Present**

Cleary Memory Lab

Colorado State University

- Designed and programed experiments examining recognition memory, focusing on déjà vu, tip-of-the-tongue states, and feature processing
 - Programs included E-Prime, PsychoPy, and Qualtrics
- Processed and analyzed data using R Studio, IBM SPSS, and JASP
- Developed and published manuscripts on experimental findings
- Performed lab manager responsibilities, such as hiring undergraduate research assistants, coordinating lab schedule, and managing 12-14 undergraduate research assistants

Study Coordinator **July 2016 – June 2017**

Cole Neuroscience Center

University of Tennessee Medical Center

- Assisted Randy Trudell, M.D., and Shelley Lott, N.P., in a study investigating methods for testing cognitive impairment in individuals suffering from Multiple Sclerosis
- Administered neuropsychological testing to study participants
 - Testing included the Montreal Cognitive Assessment (MoCA), Brief Repeatable Battery of Neuropsychological Assessments (BRB), and Beck Depression Inventory II (BDI-II)
- Administered neuropsychological testing as standard of care to neurology clinic outpatients
 - Testing included the Mini-Mental State Examination (MMSE), Geriatric Depression Scale (GDS), MoCA, BDI-II, and COGselftest

- Collaborated with faculty across departments for research needs and inquiries
- Managed a participant information database in compliance with hospital standards

Research Assistant

June 2016 – September 2016

Integrative Healthcare

University of Tennessee Medical Center Cancer Institute

- Recruited cancer patients in-person and by telephone
- Administered surveys assessing quality of life and cancer treatment outcomes
 - Coordinated phlebotomy appointments to assess levels of cytokines
- Worked in collaboration with team members to improve study retention

Program Drug Addiction Counselor/Student Intern

January 2016 – May 2016

Centerpointe

Helen Ross McNabb Center

- Organized and facilitated group education classes for clients
- Administered one-on-one counselling
- Completed progress notes on clients, assessing daily behaviors and input during group classes
- Made follow-up calls with discharged clients, inquiring about their current progress

Teaching & Mentoring Experience

Teaching Interests

Cognitive Psychology, Science of Learning, Cognitive Neuroscience, Human Learning & Memory, Research Methods, Introductory Statistics

Instructor, Department of Psychology, CSU

(*denotes an online format)

Fall 2020	PSY 452: Cognitive Psychology*
	PSY 496F: Applying Effective Strategies to Human Physiology* (3)
Summer 2020	PSY 452: Cognitive Psychology* (2)
Fall 2019	PSY 459L: Cognitive Neuroscience Laboratory (2)
Spring 2019	PSY 453L: Applied Cognitive Psychology Laboratory (2)
Fall 2018	PSY 453L: Applied Cognitive Psychology Laboratory (2)

Guest Lecturer, Department of Psychology, CSU

Spring 2020	PSY 152: Science of Learning <i>Implementing Spacing</i> <i>Implementing Elaboration</i>
Fall 2020:	PSY 459L: Cognitive Neuroscience Laboratory <i>Neuropsychology & Measurements</i>
Spring 2018:	PSY 459: Cognitive Neuroscience <i>Clinical Research in Neuropsychology</i>
Fall 2017:	PSY 459: Cognitive Neuroscience <i>Visual Pathways and Information Processing</i> <i>Visual Illusions</i>

Department Service in Mentoring

Mentoring Undergrads to Graduate School Success (MUGSS) mentor, 2019 - present
Undergraduate Psychology Honors Thesis committee member, Spring 2018, Fall 2019

Grants, Honors, & Awards

2019 David P. McCabe Excellence in Research Award

2019 Psychonomic Society Graduate Travel Award (\$1,000)

2019 fMRI Pilot Grant from the Molecular, Cellular, and Integrative Neurosciences PRSE, Fort Collins, CO.
Exploring the Role of the Medial Temporal Lobe (MTL) in Déjà vu. (Co-PI's Anne Cleary and Carol Seger). Total budget: \$7,500.

2017 Maryville College Neuroscience Award (\$200)

2013 – 2017 Maryville College Scholarship (\$76,000)

2013 – 2017 Maryville College Recognition Award (\$4,000)

2013 – 2017 Maryville College Dean's List

Books

Cleary, Huebert, & **McNeely-White** (2020). **The Déjà vu Phenomenon's Entry into the Realm of Science.** In Cleary, A.M. & Schwartz, B.L. (Eds.) *Memory Quirks: The Study of Odd Phenomena in Memory*. Routledge.

Publications

Published Manuscripts

Cleary, A. M., **McNeely-White, K. L.**, Russell, S., Huebert, A. M., & Hausman, H. (2020). The tip-of-the-tongue state as a form of access to information: Use of tip-of-the-tongue states for strategic adaptive test-taking. *Journal of Applied Research on Memory and Cognition*.

Cleary, A. M., Huebert, A. M., & **McNeely-White, K. L.** (2020) The tip of the tongue bias permeates into unrelated concurrent decisions and behavior. *Memory & Cognition*. doi:[10.3758/s13421-019-00993-7](https://doi.org/10.3758/s13421-019-00993-7)

Cleary, A. M., Huebert, A. M., **McNeely-White, K. L.**, & Spahr, K. S. (2019). A postdictive bias associated with déjà vu. *Psychonomic Bulletin & Review*, 26, 1433-1439.

McNeely-White, K. L., & Cleary, A. M. (2019). Music recognition without identification and its relation to déjà entendu: a study using "Piano Puzzlers." *New Ideas in Psychology*, 55, 50 – 57. doi: 10.1016/j.newideapsych.2019.04.002

Cleary, A. M., **McNeely-White, K. L.**, Huebert, A. M., & Claxton, A. B. (2018). Déjà vu and the feeling of prediction during retrieval failure: an association with familiarity strength. *Memory (Special Issue on Déjà vu)*. doi:10.1080/09658211.2018.1503686

Submitted Manuscripts

Cleary, A. M., **McNeely-White, K. L.**, Hausman, H., Dawson, J., Kuhn, S., Osborn, R. M., Huebert, A. M., & Rhodes, M. G. (invited revision). Wearable technology for automatizing science-based study strategies: Reinforcing learning through intermittent smartwatch prompting. *Journal of Applied Research on Memory and Cognition*.

Huebert, A. M., **McNeely-White, K. L.**, & Cleary, A. M. (under review) Illusory partial recollection during tip-of-the-tongue and familiarity experiences: Implications for theories of subjective metacognitive states of memory. *Journal of Experimental Psychology: General*.

McNeely-White, K. L., & Cleary, A. M. (invited revision). How musical features combine across memory traces to increase familiarity with the whole in which they are embedded: Support for global matching in music familiarity. *Journal of Memory and Language*.

McNeely-White, K. L., McNeely-White, D. G., Huebert, A. M., Carlaw, B. N., & Cleary, A. M. (under review). Specifying a relationship between semantic and episodic memory in the computation of a feature-based familiarity signal using MINERVA 2. *Memory & Cognition (Special Issue on Episodic and Semantic Memory)*.

In Preparation

McNeely-White, K. L., Huebert, A. M., & Cleary, A. M. Illusory feelings of prediction during tip-of-the-tongue: Forgetting the word but "predicting" the outcome.

McNeely-White, K. L., Huebert, A. M., & Cleary, A. M. On the nature of memory traces: How features interact across memory traces to influence familiarity-based recognition.

Conference Presentations

(*denotes undergraduate mentee at the time of work)

Talks & Poster Presentations

- McNeely-White, K. L.**, Huebert, A. M., & Cleary, A. M. (November 2020). How features interact across memory traces to produce familiarity-based recognition. Poster presented at Psychonomics, virtual.
- McNeely-White, K. L.**, & Cleary, A. M. (November 2019). Haven't I heard this before? The mechanism and bias of déjà entendu. Poster presented at Psychonomics, Montreal, QC.
- Cleary, A. M., Huebert, A. M., & **McNeely-White, K. L.** (November 2019). The déjà vu phenomenon: A window into the role of familiarity in cognitive bias. Talk presented at Psychonomics, Montreal, QC.
- *Gomez, L. Y., Huebert, A. M., **McNeely-White, K. L.**, & Cleary, A. M. (August 2019). Emotional Dynamics of the tip-of-the-tongue experience. Poster presented at Research Experience for Undergraduates Program, Fort Collins, CO.
- *Kerr, J. E., *Hughes, E., **McNeely-White, K. L.**, & Cleary, A. M. (April 2019). Embedding familiarized musical features into novel song sequences. Poster presented at Rocky Mountain Psychological Association, Denver, CO.
- *Russell, S., *Dawson, J., *Kerr, J. E., **McNeely-White, K. L.**, Huebert, A. M., & Cleary, A. M. (April 2019). The use of smartwatches to encourage effective study habits. Poster presented at Rocky Mountain Psychological Association, Denver, CO.
- Huebert, A. M., **McNeely-White, K. L.**, & Cleary, A. M. (March 2019). Does familiarity drive feelings of prediction during déjà vu? Invited talk at Southern Society for Philosophy and Psychology, Cincinnati, OH.
- Huebert, A. M., **McNeely-White, K. L.**, & Cleary, A. M. (November 2018). Familiarity increases recollection confidence but not recollection accuracy. Poster presented at Psychonomics, New Orleans, LA.
- McNeely-White, K. L.**, Cleary, A. M., & Claxton, A. B. (November 2018). Embedding familiarized rhythm or pitch sequences in musical pieces increases subjective song familiarity. Poster presented at Psychonomics, New Orleans, LA.
- Cleary, A. M., Huebert, A. M., & **McNeely-White, K. L.** (November 2018). A hindsight bias associated with the illusory sense of prediction during déjà vu. Talk presented at Psychonomics, New Orleans, LA.
- Lott, S., Anthony, R., Dreyer, J., **McNeely-White, K. L.**, Russell, E., & Trudell, R. (November 2018). Cognition and multiple sclerosis. Poster presented at University of Tennessee Research Day, Knoxville, TN.
- *Dawson, J., **McNeely-White, K. L.**, & Cleary, A. M. (August 2018). Improving learning with wearable technology. Poster presented at Research Experience for Undergraduates Program, Fort Collins, CO.
- *Dawson, J., **McNeely-White, K. L.**, & Cleary, A. M. (August 2018). Improving learning with wearable technology. Research talk presented at Research Experience for Undergraduates Program, Fort Collins, CO.
- McNeely-White, K. L.**, Huebert, A. M., & Cleary, A. M. (April 2018). Irrational feelings of prediction during tip-of-the-tongue states. Research talk presented at Rocky Mountain Psychological Association, Denver, CO.
- *Shock, S., *Parsons, R., *Xu, Y., Huebert, A., **McNeely-White, K. L.**, & Cleary, A. M. (April 2018). A false sense of predicting a coin flip. Poster presented at Rocky Mountain Psychological Association, Denver, CO.
- *Kerr, J. E., *Morley, G., *Wu, Y., **McNeely-White, K. L.**, Huebert, A., & Cleary, A. M. (April 2018). Tip-of-the-tongue states confer a feeling of knowing the direction of an arrow. Poster presented at Rocky Mountain Psychological Association, Denver, CO.
- Huebert, A. M., **McNeely-White, K. L.**, & Cleary, A. M. (April 2018). Cue familiarity increase illusory source memory confidence. Poster presented at Rocky Mountain Psychological Association, Denver, CO.

Invited Talks

- McNeely-White, K. L.**, & Huebert, A. M. (December 2020). The mechanisms of visual and auditory déjà vu experiences. Invited talk at Florida International University, Miami, FL.

Cleary, A. M., **McNeely-White, K. L.**, & Huebert, A. M. (December 2020). The role of the subjective sensation of familiarity in feelings of prediction. Invited joint talk at Southern Society for Philosophy and Psychology, virtual.

McNeely-White, K. L., & Cleary, A. M. (March 2019). Déjà entendu: That strange feeling of knowing a song. Invited talk at Southern Society for Philosophy and Psychology, Cincinnati, OH.

Ad hoc Reviewing

Journal of Experimental Psychology: General
Journal of General Psychology
Journal of Undergraduate Research
Memory & Cognition
New Ideas in Psychology
Neuropsychologia
PLOS One
Routledge Publishing

Professional Affiliations

Member, Alpha Gamma Sigma Honor Society, Member
Member, Psi Chi International Honor Society in Psychology
Student Member, Association for Psychological Science
Student Member, Molecular, Cellular, and Integrative Neuroscience Group (MCIN) at CSU
Student Member, Psychonomics Society
Student Member, Rocky Mountain Psychological Association (RMPA)
Student Member, Southern Society for Philosophy and Psychology (SSPP)

Departmental Service

2019: Cognitive Psychology Graduate Student Search Committee

Technical Skills

Computer Programs: R Studio, IBM SPSS, JASP, E-Prime, PsychoPy
Programming Languages: Python, E-Basic, HTML
Neuropsychology Assessment Tools: Cognitive Rating for Montreal Cognitive Assessment (MoCA), Brief Repeatable Battery of Neuropsychological Assessments (BRB), Beck Depression Inventory (BDI), Mini-Mental State Examination (MMSE)