

**Katherine L. McNeely-White**  
**Curriculum Vita**  
**October 2023**

**Department of Neurology**  
**University of California, Davis**  
**Sacramento, CA 95817**

**Email:** kmcneelywhite@ucdavis.edu  
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**Education**

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**Ph.D.** **08/10/2022**

Colorado State University – Fort Collins, CO

Cognitive Psychology

Doctoral Dissertation: Metacognitive States and Feelings of Curiosity: Information-Seeking Behaviors during Momentary Retrieval-Failure

**M.S.** **05/14/2020**

Colorado State University – Fort Collins, CO

Cognitive Psychology

Master's Thesis: The Subjective Sense of Familiarity with Music

**B.S.** **05/08/2017**

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

**General Research Interests**

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Human memory

Recognition memory

Familiarity detection

Retrieval failure

Features of memory traces

Metacognition, tip-of-the-tongue, déjà vu

**Grants, Honors, & Awards**

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**2022** CGS/ProQuest Distinguished Dissertation Award Department Nominee

**2021** Marc V. Richard Excellence in Teaching Award

**2021** David P. McCabe Excellence in Research Award

**2021** APA Division 3 Student Poster Award (\$200)

**2021** College of Natural Sciences Graduate Student Teaching and Mentoring Award (\$1,500)

**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

## Publications

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### Peer-Reviewed Manuscripts

Okada, N. S., **McNeely-White, K. L.**, Cleary, A. M., Carlaw, B. N., Drane, D. L., Parsons, T. D., McMahan, T., Neisser, J., & Pedersen, N. P. (in press). A virtual reality paradigm with dynamic scene stimuli for use in memory research. *Behavior Research Methods*.

**McNeely-White, K. L.**, & Cleary, A. M. (2023). Piquing Curiosity: Déjà vu-Like States Are Associated with Feelings of Curiosity and Information-Seeking Behaviors. *Journal of Intelligence (Special Issue on The Intersection of Metacognition and Intelligence)*, 11(6), 112.

Carlaw, B., N., Huebert, A. M., **McNeely-White, K. L.**, Rhodes., M. G., & Cleary, A. M. (2022) Detecting the familiar person behind the surgical mask: Recognition without identification among masked faces. *Cognitive Research: Principles and Implications*, 7(1), 1-11.

Huebert, A. M., **McNeely-White, K. L.**, & Cleary, A. M. (2022) On the relationship between tip-of-the-tongue states and partial recollective experience: Illusory partial recollective access during tip-of-the-tongue states. *Journal of Experimental Psychology: General*.

Huebert, A. M., **McNeely-White, K. L.**, & Cleary, A. M. (2022). Can cue familiarity during recall failure prompt illusory recollective experience? *Memory & Cognition*, 50, 681-695.

**McNeely-White, K. L.**, McNeely-White, D. G., Huebert, A. M., Carlaw, B. N., & Cleary, A. M. (2021). 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)*.

- Cleary, A. M., **McNeely-White, K. L.**, Hausman, H., Dawson, J., Kuhn, S., Osborn, R. M., Huebert, A. M., & Rhodes, M. G. (2021). Wearable technology for automatizing science-based study strategies: Reinforcing learning through intermittent smartwatch prompting. *Journal of Applied Research on Memory and Cognition*.
- McNeely-White, K. L.**, McNeely-White, D. G., & Cleary, A. M. (2021). Global matching in music familiarity: How musical features combine across memory traces to increase familiarity with the whole in which they are embedded. *Journal of Memory and Language*.
- Cleary, A. M., **McNeely-White, K. L.**, Russell, S., Huebert, A. M., & Hausman, H. (2021). 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., **McNeely-White, K. L.**, Huebert, A. M., & Claxton, A. B. (2021). Déjà vu and the feeling of prediction during retrieval failure: an association with familiarity strength. *Memory*, 29(7), 904-920. doi:10.1080/09658211.2018.1503686
- 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

### Book Chapters

- Cleary, A. M., Huebert, A. M., & **McNeely-White, K. L.** (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.

### Academic Positions

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#### Postdoctoral Scholar

Epilepsy and Systems Neuroscience Lab  
 PI: Nigel Pedersen, MBBS, FAES

August 2022 – Present

**Graduate Student Researcher**

**August 2017 – June 2022**

Cleary Memory Lab, Colorado State University  
PI: Anne Cleary, Ph.D.

**Study Coordinator**

**July 2016 – June 2017**

Cole Neuroscience Center, University of Tennessee Medical Center  
PIs: Randy Trudell, M.D., and Shelley Lott, N.P

**Teaching & Mentoring Experience**

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**Teaching Interests**

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

**Instructor**, Department of Psychology, CSU

**Summer 2020-2022**

**Cognitive Psychology.**

Instructor for small-sized undergraduate lecture courses (approx. 30 students) in cognitive psychology held in an online format. The course focused on methods and theories of cognitive psychology as well as applications to real-world scenarios.

**Fall 2020-Spring 2021**

**Applying Effective Strategies to Human Physiology.**

Instructor for small-sized undergraduate recitation courses (approx. 20 students) in science of learning held in an online format. The course focused on effective learning techniques and ways in which students could implement them in an anatomy and physiology course.

**Fall 2019, Fall 2021**

**Cognitive Neuroscience Laboratory.**

Instructor for small-sized undergraduate laboratory courses (approx. 20 students) in cognitive neuroscience held in an in-person format. The course focused on methods used in cognitive neuroscience, such as EEG, ERP, fNIRS, and fMRI, and their applications to research.

**Fall 2018-Spring 2019**

**Applied Cognitive Psychology Laboratory.**

Instructor for small-sized undergraduate laboratory courses (approx. 20 students) in cognitive psychology held in an in-person format. The course focused on behavioral methods used in cognitive psychology and their applications to research.

**Guest Lecturer**, Department of Psychology, CSU

**Spring 2020**

**Science of Learning**

*Implementing Spacing*

*Implementing Elaboration*

**Fall 2019**

**Cognitive Neuroscience Laboratory**

*Neuropsychology & Measurements*

**Spring 2018**

**Cognitive Neuroscience**

*Clinical Research in Neuropsychology*

**Fall 2017**

**Cognitive Neuroscience**

*Visual Pathways and Information Processing*

*Visual Illusions*

**Course Development**, Department of Psychology, CSU

**Summer 2020**

**Cognitive Psychology.**

- Developed recorded lectures on topics relating to cognitive psychology.
- Created exams, quizzes, discussion board topics, and written assignments.

**Fall 2019**

**Cognitive Neuroscience Laboratory.**

- Created standardized handouts for ERP, fMRI, and fNIRS laboratory activities.
- Conducted EEG BIOPAC cap maintenance.
- Developed multichannel EEG experiment.
- Developed neuropsychological testing activities.

**Professional Teaching Development**

**Summer 2020**

*Teaching Online* (TILT course on best practices for online teaching)

**Fall 2020**

*Evidence-based Approaches to College Teaching* (graduate-level seminar on effective college teaching practices)

**Spring 2021**

*Neuroscience of Education* (graduate-level seminar on neuroscience-based methods for learning and education); *Best Practices in Teaching at CSU: Inclusive Pedagogy* (TILT course on best practices in teaching and inclusivity)

**Undergraduate Research Mentorship**

*Mentoring Undergrads to Graduate School Success (MUGSS) mentor*, 2019 - present

*Undergraduate Psychology Honors Thesis committee member*, Spring 2018, Fall 2019

*Bridges to Baccalaureate (B2B) graduate student mentor*, Summer 2018, Summer 2019

## Conference Presentations

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(\*denotes undergraduate mentee at the time of work)

### Talks & Poster Presentations

**McNeely-White, K. L.**, Okada, N.S., Cleary, A. M., Carlaw, B. N., Drane, D. L., Parsons, T. D., McMahan, T., Neisser, T., & Pedersen, N. P. (May 2023). A virtual reality paradigm for investigating spatial cognition and memory retrieval processes. Poster presented at the 2<sup>nd</sup> Annual Research Symposium for Neuroengineering & Medicine at UC Davis,

Okada, N. S., **McNeely-White, K. L.**, Cleary, A. M., Drane, D. L., Parsons, T.D., McMahan, F., Neisser, J., Pedersen, N. P. (November 2022). A virtual reality paradigm with scene stimuli for use in memory research. Paper presented at the 52<sup>nd</sup> Annual Meeting of the Society for Computation in Psychology (SCiP), Boston, MA.

Huebert, A. M., **McNeely-White, K. L.**, & Cleary, A. M. (November 2022). I want to know why this feels familiar: Can cue familiarity prompt curiosity and information seeking? Poster presented at Psychonomic Society 63<sup>rd</sup> Annual Meeting, Boston, MA.

**McNeely-White, K. L.**, & Cleary, A. M. (November 2022). The association between déjà vu-like states and curiosity. Poster presented at Psychonomic Society 63<sup>rd</sup> Annual Meeting, Boston, MA.

Carlaw, B. N., Huebert, A. M., **McNeely-White, K. L.**, Rhodes, M. G., & Cleary, A. M. (November 2022). Detecting a familiar person behind the surgical mask: Recognition without identification among masked vs. sunglasses-covered faces. Poster presented at Psychonomic Society 63<sup>rd</sup> Annual Meeting, Boston, MA.

Okada, N.S., **McNeely-White, K. L.**, McMahan, T., Parsons, T., Neisser, J., Drane, D. L., Pedersen, N. P., & Cleary, A. M. (November 2022). Modern immersive virtual reality paradigm to investigate feelings of familiarity and déjà vu. Poster presented at the Annual Meeting of the Society for Neuroscience (SfN), San Diego, CA.

**McNeely-White, K. L.**, Huebert, A. M., & Cleary, A. M. (August 2021). Does the tip-of-the-tongue state entail a feeling of being on the tip of prediction? Poster presented at APA Convention, virtual.

**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.** (March 2022). Déjà entendu: The auditory déjà vu experience and its associated biases. Invited talk at Southern Society for Philosophy and Psychology, Mobile, AL.

**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**

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Journal of Applied Research on Memory and Cognition  
Journal of Experimental Psychology: General  
Journal of General Psychology  
Journal of Intelligence  
Journal of Undergraduate Research  
Memory  
Memory & Cognition  
Music Perception  
New Ideas in Psychology  
Neuropsychologia  
PLOS One  
Routledge Publishing  
Royal Society Open Science

### **Professional Affiliations**

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Member, Alpha Gamma Sigma Honor Society, Member  
Member, Association for Psychological Science  
Member, Cognitive Neuroscience Society  
Member, Psi Chi International Honor Society in Psychology  
Member, Psychonomics Society  
Member, Southern Society for Philosophy and Psychology (SSPP)

### **Departmental Service**

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**2019:** Cognitive Psychology Graduate Student Search Committee

### **Technical Skills**

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Computer Programs: R Studio, IBM SPSS, JASP, E-Prime, PsychoPy, Qualtrics  
Programming Languages: Python, E-Basic, HTML/JS (Qualtrics)  
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)