

## MAUREEN RITCHEY

Boston College  
Psychology and Neuroscience  
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<http://www.thememolab.org>  
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## ACADEMIC HISTORY

<b>2023 – present</b>	<b>Boston College</b> Associate Professor, Department of Psychology and Neuroscience
<b>2016 – 2023</b>	<b>Boston College</b> Assistant Professor, Department of Psychology and Neuroscience
<b>2011 – 2016</b>	<b>University of California, Davis</b> Postdoctoral Scholar, Center for Neuroscience
<b>2011</b>	<b>Duke University</b> Ph.D., Psychology & Neuroscience Cognitive Neuroscience Admitting Program
<b>2005</b>	<b>University of Notre Dame</b> B.S., Mathematics, <i>magna cum laude</i> B.A., Psychology, <i>magna cum laude</i>

## RESEARCH SUPPORT

### **2022 – 2026 – National Institute of Mental Health**

R01MH125990

PI, *Brain networks predicting variability in episodic memory quality*

Total costs: \$1,133,037

### **2022 – 2027 – National Institute of Aging**

R01AG075031

Co-I, *Bringing positive and negative events to mind: Effects of age on emotional memory retrieval* (PI:

Elizabeth Kensinger)

Total costs: \$1,973,381

### **2021 – 2026 – National Science Foundation**

CAREER Award, BCS-2047415

PI, *Cognitive and neural factors shaping the multidimensional quality of episodic memory*

Total costs: \$848,514

### **2019 – 2022 – Brain and Behavior Research Foundation**

NARSAD Young Investigator Grant

PI, *Neural mechanisms supporting regulation of emotional memories*

Total costs: \$69,273

### 2018–2020 – National Institute of Mental Health

R03MH116872

Co-I, *Interactions between affective and sensory regions during the experience and recollection of emotional events* (PI: Elizabeth Kensinger)

Total costs: \$156,500

### 2015–2020 – National Institute of Mental Health

K99/R00MH103401, Pathway to Independence Award

PI, *Emotional modulation of human memory processes and cortico-hippocampal systems*

Total costs: \$914,092

### 2008–2011 – National Institute of Mental Health

F31MH085384, Ruth L. Kirschstein Predoctoral National Research Service Award

Fellow, *Neuroimaging of emotional association formation and subsequent effect on memory*

### Boston College Internal Research Support

AY 2023-24

Boston College Sabbatical Fellowship

Summer 2021

Boston College Research Incentive Grant, \$15,000

Summer-Fall 2018

Boston College Research Expense Grant, \$2,000

## PUBLICATIONS

Citation information: <https://scholar.google.com/citations?user=kmOfw54AAAAJ>

+ first authored by a postdoc in my lab

# first authored by a graduate student in my lab

^ first authored by an undergraduate student in my lab

senior author is listed last, unless \*otherwise noted

# Curko, N., & Ritchey, M. (under review). Traveling through space and time with our memories.

+ Ladyka-Wojcik, N., Schmidt, H., Cooper, R.A., & Ritchey, M. (under review). Neural signatures of recollection are sensitive to memory quality and specific event features.

Faul, L., Ritchey, M., & Kensinger, E.A. (in press). The relationship between subjective vividness and remembered visual characteristics of emotional stimuli across the lifespan. *Emotion*.

^ Hu, T.<sup>1</sup>, Yi, H.Y.<sup>1</sup>, Brooks, P. P., & Ritchey, M. (pre-print). Reinstated patterns of visual attention promote flexible scene recognition. *PsyArXiv*, <https://osf.io/preprints/psyarxiv/ys9cz>. <sup>1</sup>denotes equal contributions

Iancarelli, A., Rypkema, N., Ritchey, M., & Satpute, A.B. (in press). The affective science network: A fieldwide map of over 1 million citations. *Affective Science*, <https://osf.io/preprints/psyarxiv/2pyrz>.

# Brooks, P. P., Guzman, B.A., Kensinger, E.A., Norman, K. A., & Ritchey, M. (2024). Eye tracking evidence for the reinstatement of emotionally negative and neutral memories. *PLOS ONE*, 19(5): e0303755.

# Kurkela, K.A., & Ritchey, M. (2024). Intrinsic functional connectivity among memory networks does not predict individual differences in narrative recall. *Imaging Neuroscience*, 2, 1-17.

Mojescik, K.M., Berens, S., De Luca, F., Ritchey, M., & Bird, C.M. (2024). The relationship between subjective memory experience and objective memory performance remains stable across the lifespan. *Collabra: Psychology*, 10 (1): 116195.

- Huang, S., Howard, C.M., Hovhannisyan, M., Ritchey, M., Cabeza, R., & Davis, S.W. (2024). Hippocampal functions modulate transfer-appropriate cortical representations supporting subsequent memory. *Journal of Neuroscience*, 44 (1) e1135232023; doi: 10.1523/JNEUROSCI.1135-23.2023
- Garcia, S.M., Ritchey, M., & Kensinger, E.A. (2023). How list composition affects the emotional enhancement of memory in younger and older adults. *Cognition and Emotion*, 1–18. <https://doi.org/10.1080/02699931.2023.2270202>
- # Kurkela, K.A., Cooper, R.A., Ryu, E., & Ritchey, M. (2022). Integrating region- and network-level contributions to episodic recollection using multilevel structural equation modeling. *Journal of Cognitive Neuroscience*, 34(12), 2341-2359.
- Leavitt, V.\*, Dworkin, J., Buyukturkoglu, K., Riley, C. & Ritchey, M. (2022). Summary metrics of memory subnetwork functional connectivity alterations in multiple sclerosis. *Multiple Sclerosis Journal*, 28 (12), 1963-1972. \*senior author listed first
- + Cooper, R.A., & Ritchey, M. (2022). Patterns of episodic content and specificity predicting subjective memory vividness. *Memory & Cognition*, 50(8), 1629-1643.
- Riegel, M., Wierzba, M., Wypych, M., Ritchey, M., Jednorog, K., Grabowska, A., Vuilleumier, P., & Marchewka, A. (2022). Distinct medial-temporal lobe mechanisms of encoding and amygdala-mediated memory reinstatement for disgust and fear. *NeuroImage*, 251, 118889.
- Radvansky, G.A.\*, Doolen, A.C., Pettijohn, K.A., & Ritchey, M. (2022). A new look at memory retention and forgetting. *Journal of Experimental Psychology: Learning, Memory, and Cognition*. Online ahead of print, doi: 10.1037/xlm0001110. \*senior author listed first
- Simons, J.S., Ritchey, M., & Fernyhough, C. (2022). Brain mechanisms underlying the subjective experience of remembering. *Annual Review of Psychology*, 73.
- + Cooper, R.A., Kurkela, K., Davis, S.W., & Ritchey, M. (2021). Mapping the organization and dynamics of the posterior medial network during movie watching. *NeuroImage*, 236, 118075.
- # Samide, R., & Ritchey, M. (2021). Reframing the past: Role of memory processes in emotion regulation. *Cognitive Therapy and Research*, 45, 848-857.
- Gregory, D., Ritchey, M., & Murty, V.P. (2020). Amygdala and ventral tegmental area differentially interact with hippocampus and cortical medial temporal lobe during rest in humans. *Hippocampus*, 30(10), 1073-1080.
- Ritchey, M.<sup>1</sup>, & Cooper, R.A.<sup>1</sup> (2020). Deconstructing the posterior medial episodic network. *Trends in Cognitive Sciences*, 24(6), 451-465. <sup>1</sup>denotes equal contributions
- + Cooper, R.A. & Ritchey, M. (2020). Progression from feature-specific brain activity to hippocampal binding during episodic encoding. *Journal of Neuroscience*, 40(8), 1701-1709.
- # Samide, R., Cooper, R.A. & Ritchey, M. (2020). A database of news videos for investigating the dynamics of emotion and memory. *Behavior Research Methods*, 52, 1469-1479.
- Shields, G.S., McCullough, A.M., Ritchey, M., Ranganath, C., & Yonelinas, A.P. (2019). Stress and the medial temporal lobe at rest: Functional connectivity is associated with both memory and cortisol. *Psychoneuroendocrinology*, 106, 138-146.
- + Cooper, R.A., & Ritchey, M. (2019). Cortico-hippocampal network connections support the multidimensional quality of episodic memory. *eLife*, 8:e45591.
- + Cooper, R.A., Kensinger, E.A., & Ritchey, M. (2019). Memories fade: Effects of emotion on remembered visual salience. *Psychological Science*, 30(5), 657-668.
- Ritchey, M., Wang, S.-F., Yonelinas, A.P., & Ranganath, C. (2019). Dissociable medial temporal lobe pathways for encoding emotional item and context information. *Neuropsychologia*, 124, 66-78.

- Jonker, T.R., Dimsdale-Zucker, H.R., Ritchey, M., Clarke, A., & Ranganath, C. (2018). Neural reactivation in parietal cortex enhances memory for episodically linked information. *Proceedings of the National Academy of Sciences*, 115 (43), 11084-11089.
- Rogers-Carter, M.M., Varela, J., Gribbons, K.B., Pierce, A.F., McGoey, M.T., Ritchey, M., & Christianson, J.P. (2018). Insular cortex mediates approach and avoidance responses to social affective stimuli. *Nature Neuroscience*, 21(3), 404-414.
- Dimsdale-Zucker, H.R., Ritchey, M., Ekstrom, A.D., Yonelinas, A.P., & Ranganath, C. (2018). CA1 and CA3 differentially support spontaneous retrieval of episodic contexts within human hippocampal subfields. *Nature Communications*, 9, 294.
- Ritchey, M., McCullough, A.M., Ranganath, C., & Yonelinas, A.P. (2017). Stress as a mnemonic filter: Interactions between medial temporal lobe encoding processes and post-encoding stress. *Hippocampus*, 27 (1): 77-88.
- Gruber, M.J., Ritchey, M., Wang, S.-F., Doss, M.K., & Ranganath, C. (2016). Post-learning hippocampal dynamics promote preferential retention of rewarding events. *Neuron*, 89 (5), 1110-20.
- Wang, S.-F., Ritchey, M., Libby, L.A., & Ranganath, C. (2016). Functional connectivity based parcellation of the human medial temporal lobe. *Neurobiology of Learning and Memory*, 134 (A), 123-134.
- Yonelinas, A.P. & Ritchey, M. (2015). The slow forgetting of emotional episodic memories: An emotional binding account. *Trends in Cognitive Sciences*, 19(5), 259-267.
- McCullough, A.M. Ritchey, M., Ranganath, C., & Yonelinas, A.P. (2015). Differential effects of stress-induced cortisol responses on recollection and familiarity based recognition memory. *Neurobiology of Learning and Memory*, 123, 1-10.
- Ritchey, M., Montchal, M.E., Yonelinas, A.P., & Ranganath, C. (2015). Delay-dependent contributions of medial temporal lobe regions to episodic memory retrieval. *eLife*, 4:e05025.
- Wing, E.A., Ritchey, M., & Cabeza, R. (2015). Reinstatement of individual past events revealed by the similarity of distributed activation patterns during encoding and retrieval. *Journal of Cognitive Neuroscience*. 27(4), 679-691.
- Dew, I.T.Z., Ritchey, M., LaBar, K.S., & Cabeza, R. (2014). Prior perceptual processing enhances the effect of emotional arousal on the neural correlates of memory retrieval. *Neurobiology of Learning and Memory*. 112, 104-113.
- Ritchey, M., Yonelinas, A.P., & Ranganath, C. (2014). Functional connectivity relationships predict similarities in task activation and pattern information during associative memory encoding. *Journal of Cognitive Neuroscience*, 26 (5), 1085-1099.
- Ritchey, M., Wing, E.A., LaBar, K.S., & Cabeza, R. (2013). Neural similarity between encoding and retrieval is related to memory via hippocampal interactions. *Cerebral Cortex*, 23(12), 2818-2828.
- Ranganath, C. & Ritchey, M. (2012). Two cortical systems for memory-guided behavior. *Nature Reviews Neuroscience*, 13, 713-726.
- Ritchey, M., LaBar, K.S., & Cabeza, R. (2011). Level of processing modulates the neural correlates of emotional memory formation. *Journal of Cognitive Neuroscience*. 23 (4), 757-771.
- Ritchey, M., Bessette-Symons, B., Hayes, S.M., & Cabeza R. (2011). Emotion processing in the aging brain is modulated by elaboration. *Neuropsychologia*, 49 (4), 640-650.
- Ritchey, M.<sup>1</sup>, Dolcos, F.<sup>1</sup>, Eddington, K.M.<sup>1</sup>, Strauman, T., & Cabeza R. (2011). Neural correlates of emotional processing in depression: Changes with cognitive behavioral therapy and predictors of treatment response. *Journal of Psychiatric Research*, 45 (5), 577-587. <sup>1</sup>denotes equal contributions

- Murty, V.P.<sup>1</sup>, Ritchey, M.<sup>1</sup>, Adcock, R.A., & LaBar, K.S. (2010). fMRI studies of successful emotional memory encoding: A quantitative meta-analysis. *Neuropsychologia*, 48 (12), 3459-3469. <sup>1</sup>denotes equal contributions
- Ritchey, M., Dolcos, F., & Cabeza, R. (2008). Role of amygdala connectivity in the persistence of emotional memories over time: An event-related fMRI investigation. *Cerebral Cortex*, 18(11), 2494-2504.
- Dillon, D.G., Ritchey, M., Johnson, B.D., & LaBar, K.S. (2007). Dissociable effects of conscious emotion regulation strategies on explicit and implicit memory. *Emotion*, 7(2), 354-265.
- Marsolek, C.J., Schnyer, D.M., Deason, R.G., Ritchey, M., & Verfaellie, M. (2006). Visual anti-priming: Evidence for ongoing adjustments of superimposed object representations. *Cognitive, Affective, & Behavioral Neuroscience*, 6(3), 163-174.
- Siegler, B.A., Ritchey, M., & Rubin, J. (2005). Spike timing dependent plasticity as a mechanism for ocular dominance shift. *Neurocomputing*, 65, 181-188.

### Book chapters

- Gruber, M.J.<sup>1</sup> & Ritchey, M.<sup>1</sup> (2020). Episodic memory modulation: How emotion and motivation shape the encoding and storage of salient memories. In M.S. Gazzaniga (Ed.), *The Cognitive Neurosciences* (6<sup>th</sup> ed.). Cambridge, MA: The MIT Press. <sup>1</sup>denotes equal contributions
- Ritchey, M., Libby, L.A., & Ranganath, C. (2015). Cortico-hippocampal systems involved in memory and cognition: The PMAT framework. In Shane O'Mara & Marian Tsanov (Ed.), *The Connected Hippocampus*, Progress in Brain Research, Elsevier.
- Arzi, A., Banerjee, S., Cox, J.C., ... Ritchey, M., ... Wood, S. (2014). The significance of cognitive neuroscience: Findings, applications, and challenges. In M.S. Gazzaniga (Ed.), *The Cognitive Neurosciences* (5<sup>th</sup> ed.). Cambridge, MA: The MIT Press.

### Commentaries

- + Ladyka-Wojcik, N., & Ritchey, M. (2024). Surveying the neuroimager's connectivity toolbox: Comment on "Connectivity analyses for task-based fMRI" by Huang, De Brigard, Cabeza, & Davis. *Physics of Life Reviews*, <https://doi.org/10.1016/j.plrev.2024.09.012>.
- Ritchey, M. (2018). Memory modulation: An introduction to the special issue. *Cognitive Neuroscience*, <https://doi.org/10.1080/17588928.2018.1519531>.
- Ritchey, M., Murty, V.P., & Dunsmoor, J.E. (2016). Adaptive memory systems for remembering the salient and the seemingly mundane. *Behavioral and Brain Sciences*, e221.
- Venkatraman, V., Ritchey, M., & Reeck, C. (2009). Post-choice revaluation of hedonic preferences: Insights from functional imaging. *Frontiers in Human Neuroscience: General Commentary*, 3(18), 1-3.

## AWARDS & HONORS

- Induction to the Society for Experimental Psychologists, 2025  
 Early Investigator Award, Society for Experimental Psychologists, 2025  
 Early Career Impact Award, Federation of Associations in Behavioral & Brain Sciences, Cognitive Neuroscience Society Award Winner, 2022  
 Bishop Hartley High School Hall of Distinction Alumni Award, 2022  
 CAREER Award, National Science Foundation, 2021  
 Election to the Memory Disorders Research Society, 2016  
 Rising Star Award, Association for Psychological Science, 2015

Laird Cermak Award, Memory Disorders Research Society, 2015  
Summer Institute in Cognitive Neuroscience Fellow, Squaw Valley, 2013  
Summer Institute in Cognitive Neuroscience Fellow, Santa Barbara, 2012  
National Science Foundation Graduate Research Fellowship Honorable Mention, 2007  
James B. Duke Fellowship, Duke University, 2005–2009  
National Science Foundation Research Experience for Undergraduates Summer Fellow, 2003, 2004  
Glenna R. Joyce Full Scholarship, University of Notre Dame, 2001–2005  
Notre Dame Scholar, University of Notre Dame, 2001  
National Merit Scholar, 2001

## TEACHING

### Courses taught

*Cognitive Neuroscience*, PSYC3371

Fall 2024, Spring 2023, Fall 2021, Spring 2021 (hybrid), Spring 2020 (hybrid), Spring 2019, Spring 2018, Spring 2017

*Programming for Psychology and Neuroscience*, PSYC4425

Spring 2025

*Research Practicum in Cognitive Neuroscience*, PSYC4477

Spring 2022, Fall 2018

*Advanced Topics in the Neuroscience of Memory*, PSYC5573

Fall 2022, Fall 2020 (hybrid)

*The Hippocampus*, PSYC5577

Fall 2017

### Other teaching-related activities

Boston College Psychology Monday Methods Meetings (organizer & speaker), 2016–2018

Lab Instructor, Multi-voxel pattern analysis. *The Hippocampus: From Circuits to Cognition*, Bordeaux, France, 2016

Guest lectures: *fMRI Data Analysis, Emotion & Memory*, UC Davis, 2013–2015

Co-Organizer & Instructor, MTL Tracing Bootcamp, UC Davis, 2013

The Duke Reader Project (writing mentorship program), 2012, 2013

Preparing Future Faculty Program, Duke University, 2010–2011

Guest lectures: *Memory, Emotion and the Brain, Cognitive Neuroscience*, Duke, 2006–2008

Instructor assistant, Biological Bases of Behavior, Duke University, 2007, 2008

Instructor assistant, Introduction to Cognitive Neuroscience, Duke University, 2007

## PROFESSIONAL ACTIVITIES

2024—present	Slide Session Organizing Committee, <i>Cognitive Neuroscience Society</i>
2023—present	Communications Liaison, Executive Committee, <i>Memory Disorders Research Society</i>
2020—present	Consulting Editor, <i>Journal of Cognitive Neuroscience</i>
2024	Participant, <i>BIDMC Intensive Course in Transcranial Magnetic Stimulation</i>
2023—2024	Affiliate Faculty, <i>Roux Institute at Northeastern University</i>
2018—2023	Organizing Committee, <i>Context and Episodic Memory Symposium (CEMS)</i> + significant role in reformatting CEMS as a free virtual conference in 2020
2021	Executive Committee, <i>Memory Disorders Research Society</i>
2021	Chair, Virtual Meeting Organizing Committee, <i>Memory Disorders Research Society</i>
2020	Trainee Professional Development Award Review Committee, <i>Society for Neuroscience</i>
2020	Early Career Reviewer Program, <i>National Institutes of Health</i>

2019	Panelist, Professional Development Panel, <i>Cognitive Neuroscience Society Annual Meeting</i>
2018	Guest Editor, Special Issue on Memory Modulation, <i>Cognitive Neuroscience</i>
2014	Panelist, Professional Developmental Panel, <i>Association for Psychological Science Annual Convention</i>

## Reviewing

**Journals:** *Behavioural Brain Research; Cerebral Cortex; Cognition; Cognition and Emotion; Cognitive, Affective, & Behavioral Neuroscience; Cognitive Neuroscience; Cortex; Emotion; eLife; eNeuro; Frontiers in Integrative Neuroscience; Hippocampus; Human Brain Mapping; Journal of Cognitive Neuroscience; Journal of Experimental Psychology: General; Journal of Neuroscience; Learning & Memory; Memory; Nature Communications; Nature Neuroscience; Nature Reviews Neuroscience; Neurobiology of Aging; Neurobiology of Learning and Memory; NeuroImage; Neuron; Proceedings of the National Academy of Sciences; Psychonomic Bulletin & Review; Scientific Reports; Social Cognitive and Affective Neuroscience; Trends in Cognitive Science; Trends in Neurosciences; Quarterly Journal of Experimental Psychology*

**Funding agencies:** *National Science Foundation (ad hoc; panel: 2021), National Institutes of Health (study sections: 2020, 2021, 2022, 2023, 2024), Canada Research Chairs (ad hoc)*

## DEPARTMENTAL & UNIVERSITY ACTIVITIES

2024	Faculty Search Committee, Computational Cognitive Science
2024—present	Trainee Mentoring and Belonging Committee
2024—present	Human Neuroscience Lab Advisory Committee
2019—present	Pre-Health Advising Committee
2017—present	Departmental Colloquium Committee (Chair: 2018—2023)
2016—2023	Departmental Technological and Methodological Training Committee
2018—2023	Departmental Future Directions Committee
2019—2023	Gabelli Presidential Scholars Program Mentor
2022	McCarthy Award Reader
2022	Gabelli Presidential Scholars Program Interviewer
2020—2021	Faculty Search Committee x 2, Behavioral Neuroscience
2020—2021	Departmental Remote Research Committee
2020—2021	Departmental Diversity & Inclusion Hiring Working Group
2018, 2022	McNair Exploratory Program Mentor

## OUTREACH ACTIVITIES

2024	Psychology & neuroscience workshop (organizer), Pine Manor Institute Summer Enrichment Program, Boston College
2024	Lab Tour and Presentation, Boston College Summer Experience
2023	Podcast guest, <i>Permanence</i> , BBC Radio 4: The Digital Human
2023	Lab Tour and Presentation, Boston College Summer Experience
2021	Discovery Museum Women in STEAM Event Series, Acton, MA
2020	Invited speaker, Intersections Research Forum, Boston College
2020	Invited speaker, STEMPossible Program, United Way of Delaware County, OH
2020	Invited speaker, Women in Science and Technology Program, Boston College
2019	Discovery Museum Science & Engineering Communication Fellowship, Acton, MA



2018  
2012

Radio guest, *Default Mode* hosted by Ari Khoudary on WZBC, Boston College  
Invited speaker, *The science of human memory*, Evernote, Mountain View, CA

## DATA & CODE AVAILABILITY

SPM batching tutorial	<a href="http://github.com/ritcheym/fmri_misc/tree/master/batch_system">http://github.com/ritcheym/fmri_misc/tree/master/batch_system</a>
Interactive ROC curves	<a href="http://github.com/ritcheym/shinyapps">http://github.com/ritcheym/shinyapps</a>
Ritchey et al. 2015	<a href="https://elifesciences.org/content/4/e05025/article-data">https://elifesciences.org/content/4/e05025/article-data</a> <a href="https://neurovault.org/collections/3731/">https://neurovault.org/collections/3731/</a>
Ritchey et al. 2019	<a href="http://www.thememolab.org/paper-memohr/">http://www.thememolab.org/paper-memohr/</a>
Cooper et al. 2019	<a href="https://osf.io/cuz8g/">https://osf.io/cuz8g/</a>
Cooper & Ritchey 2019	<a href="http://www.thememolab.org/paper-orbitfmri/">http://www.thememolab.org/paper-orbitfmri/</a>
Samide et al. 2020	<a href="http://www.thememolab.org/paper-videonorming/">http://www.thememolab.org/paper-videonorming/</a>
Cooper & Ritchey 2020	<a href="http://www.thememolab.org/paper-bindingfmri/">http://www.thememolab.org/paper-bindingfmri/</a>
Cooper et al. 2021	<a href="http://www.thememolab.org/paper-camcan-pmn/">http://www.thememolab.org/paper-camcan-pmn/</a>
Cooper & Ritchey 2022	<a href="http://www.thememolab.org/paper-vividness-features/">http://www.thememolab.org/paper-vividness-features/</a>
Kurkela et al. 2022	<a href="https://github.com/memobc/paper-integrating-region-network">https://github.com/memobc/paper-integrating-region-network</a>
Kurkela et al. 2024	<a href="https://github.com/memobc/paper-CamCanIDs">https://github.com/memobc/paper-CamCanIDs</a>
Brooks et al. 2024	<a href="https://osf.io/uh7y5/">https://osf.io/uh7y5/</a>
Hu, Yi, et al. pre-print	<a href="https://osf.io/kztf/">https://osf.io/kztf/</a>

## MENTORING

### PhD students

		<i>Current position or Position(s) following graduation</i>
Weifang Huang	2024—present	
Nina Curko	2022—present	
Paula Brooks (visiting scholar) +	2019—2023	Full-time Parent
Kyle Kurkela	2018—2023	Research Computing Data Specialist, Boston Univ
Rosalie Samide *	2016—2022	Data Analyst & Researcher, Fidelity

+ NIH D-SPAN F99/K00, \* BC dissertation award

### Postdoctoral trainees

Valentina Krenz	2024—present	
Natalia Ladyka-Wojcik +	2024	Postdoc, University of Toronto
Rose Cooper	2017—2021	Senior Research Scientist, Meta Reality Labs

+ NSERC PDF

### Full-time lab coordinators & research specialists

Hannah Piccirilli	2024—present	
Colette Chen	2024 (co-op)	
Brigitte Guzman	2022—2024	Research Coordinator at UCLA
Helen Schmidt	2018—2021	PhD student at Temple
Kyle Kurkela	2016—2018	PhD student at Boston College
Max Bluestone	2016—2018	MS student at Dartmouth; AI Scientist

### Undergraduate senior thesis supervision

Maddie Andrews *	2024—2025	
Emma Greenlees *	2024—2025	
Makayla Romanus *	2023—2024	Strategy associate
Abigail Walker	2023—2024	Transitioning to medical school
Tingwei Hu	2022—2023	Research assistant at Duke
Maria Noyes *	2022—2023	Doctoral program in physical therapy



Rishi Srinivasan	2022—2023	Transitioning to medical school
Hae Young Yi *	2022—2023	Research assistant at Yale School of Medicine
Zoe Ting *	2021—2022	Medical school at Georgetown
Natale Schmitz *	2019—2020	PsyD student at Yeshiva University
Emily Iannazzi *	2018—2019	Research assistant at Harvard; PhD student at UWashingtton
Ari Khoudary *^+	2018—2019	Research assistant at Duke; PhD student at UC Irvine
Kelly Vogel ^	2017—2018	PsyD student at Loma Linda

\* Psychology honors, + Scholar of the College, ^ MCAS honors

### Undergraduate research fellows

2024 – Abigail Walker (spring); Madison Andrews (summer)  
 2023 – Teddy Hoppe (spring); Abigail Walker (spring); Melissa Mao (spring); Abigail Walker (fall)  
 2022 – Rishi Srinivasan (spring); Ainsley Kohler (summer); Melissa Mao (summer, fall); Teddy Hoppe (fall);  
 Abigail Walker (fall)  
 2021 – Jamie Kweon (spring); Zoe Ting (spring); Christina Farmer (summer); Zoe Ting (summer); Rishi  
 Srinivasan (fall)  
 2020 – Jamie Kweon (fall); Zoe Ting (fall)  
 2019 – Samantha Murphy (spring); Krista Roze (spring); Cayley Bliss (fall); Krista Roze (fall);  
 Mary Nanna (fall)  
 2018 – Ari Khoudary (spring); Emily Iannazzi (summer); Samantha Murphy (fall); Julia Napoli (fall);  
 Lunbei Hu (fall)  
 2017 – Rebecca Suthard (summer, fall); Eric Sanfilippo (summer)

### Other trainee mentoring

Sandry Garcia (PhD committee)	present
Alexandra Ng (PhD committee)	present
Marie Diagne (MA committee)	present
Zoe Irving (MA, PhD committee)	present
Büşra Tanriverdi (Temple; PhD committee)	2024
Anthony Djerdjaj (PhD committee)	2024
Emily Schwartz (PhD committee)	2024
Paula Brooks (Princeton; PhD committee)	2023
Julia Maybury (MA committee)	2023
Ryan Bottary (MA, PhD committee)	2022
Sandry Garcia (MA committee)	2022
Emily Schwartz (MA committee)	2022
Danielle Lafferty (MA, PhD committee)	2022
Madelyn Ray (PhD committee)	2021
Rachel Walker (PhD committee)	2020
Nicholas Worley (PhD committee)	2019
Allison Foilb (PhD committee)	2019
Ryan Daley (MA committee)	2019
Dylan Spets (MA committee)	2019
Sarah Kark (NRSA F31 contributor)	2019

### Research mentoring at UC Davis

Halle Dimsdale-Zucker (PhD)	2013—2016	<i>Current position or Position(s) following graduation</i> Postdoc at Columbia; Asst Prof at UC Riverside
Andrew McCullough (PhD)	2011—2016	Adjunct professor at UC Davis; Govt research
Shao-Fang Wang (RA)	2013—2015	PhD student at Stanford; Data science
Manoj Doss (RA)	2011—2013	PhD student at UChicago; Research fellow at UT Austin

Garrett O'Day (UG thesis) 2015—2016  
Aneil Dhillon (UG thesis) 2013—2014

PhD student at Purdue  
Law student at UC Berkeley

## CONFERENCE & INVITED TALKS

- 2025 – [scheduled] Symposium speaker, *Advancing global and local theories of DMN function across cognitive domains*. Cognitive Neuroscience Society annual meeting, Boston, MA.  
[scheduled] Rotman Research Institute Rounds, Rotman Research Institute, Toronto, ON.
- 2024 – Invited speaker, Psychology Colloquium, University of Oregon.  
Conference presentation, Memory Disorders Research Society, Manchester, UK.  
Invited speaker, Cognitive and Cognitive Neuroscience Proseminar, UC Riverside.
- 2023 – Symposium speaker, *Long-Term Memory*, Next Frontiers in Consciousness Research, National Institutes of Health.  
Invited speaker, Cognitive Brown Bag, Dartmouth College.  
Symposium speaker, *Episodic memory and the not-so default mode network*, LearnMem 2023, Huntington Beach, CA.  
Invited speaker, Psychology, UT Austin.  
Invited speaker, Cognitive Psychology Forum, UCLA.  
Invited speaker, Center for Cognitive Neuroscience Colloquium, Duke University.
- 2022 – Invited speaker, Department of Psychology, University of Hamburg, Germany. Virtual Presentation.  
Conference presentation, *Integrating region- and network-level contributions to episodic memory*, Memory Disorders Research Society Meeting, Philadelphia, PA.  
Invited speaker, Research unit on Constructing scenarios of the past, Ruhr University Bochum, Germany. Virtual Presentation.  
Conference presentation, *Patterns of episodic content and specificity predicting subjective memory vividness*, Context and Episodic Memory Symposium, Philadelphia, PA.  
Invited speaker, Center for Vital Longevity Colloquium Series, The University of Texas at Dallas.  
Invited speaker, Psychology Colloquium Series, Temple University. Virtual Presentation.
- 2021 – Invited speaker, Feindel Brain and Mind Lecture Series, Montreal Neurological Institute. Virtual Presentation.  
Invited speaker, Washington University in St. Louis Brain, Behavior, & Cognition Brown Bag. Virtual Presentation.  
Invited speaker, Hippocampal Subfields Group. Virtual Presentation.  
Symposium speaker, Charles River Area Memory Meeting. Virtual Presentation.  
Invited speaker, University of Toronto Cognitive and Cognitive Neuroscience Talk Series. Virtual Presentation.
- 2020 – Invited speaker, Johns Hopkins Cognitive Neuroscience Tea. Virtual Presentation.  
Invited speaker, Brown University Social and Cognition Seminar. Virtual Presentation.  
Invited speaker, University of Arizona Cognitive Science Colloquium. Virtual Presentation.  
Symposium speaker, FENS Forum 2020, Glasgow, UK. Virtual Presentation.
- 2019 – Symposium speaker, *Cortico-hippocampal networks supporting emotional episodic memories*, Spring Hippocampal Research Conference, Taormina, Sicily.  
Invited speaker, *Distortions in memory for visual information*, Boston College Art, Art History, and

Film Department Currents Series, Chestnut Hill, MA.

Symposium speaker & chair, *Network interactions supporting the precision of item and context information in episodic memory*, Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.

2018 – Conference presentation, *Memories fade: Interactions of perceptual and emotional salience during memory reconstruction*, Memory Disorders Research Society Meeting, Toronto, ON.

Invited speaker, Summer Institute in Cognitive Neuroscience, Squaw Valley, CA.

2017 – Invited speaker, Boston University Center for Memory & Brain Seminar Series, Boston, MA.

Symposium speaker, *Emotional modulation of the neural systems supporting episodic memory*, Society of Biological Psychiatry Meeting, San Diego, CA.

Invited speaker, *Emotional modulation of memory encoding and consolidation processes*, Memory Reactivation Workshop, Cardiff, UK.

Conference presentation, *Separable neural systems for encoding emotion and context information in episodic memory*, Context and Episodic Memory Symposium, Philadelphia, PA.

Invited speaker, Harvard University Cognition, Brain, & Behavior Research Seminar, Cambridge, MA.

Invited speaker, VA Boston Neuroimaging and Neuropsychology Lecture Series, Boston, MA.

Invited speaker, McLean Hospital Center for Depression, Anxiety and Stress Research Speaker Series, Belmont, MA.

Invited speaker, Brandeis University Joint Biology/Neuroscience Colloquium, Waltham, MA.

2016 – Invited speaker, *Emotion, stress and the medial temporal lobes*, The Hippocampus: From Circuits to Cognition (Cajal Course), Bordeaux, France.

Conference presentation, *Questioning the role of the hippocampus in emotional memory*, Memory Disorders Research Society Meeting, Princeton, NJ.

Symposium speaker, *Cortico-hippocampal systems involved in memory and emotion*, International Conference on Memory, Budapest, Hungary.

Symposium speaker, *Stress as a mnemonic filter: Interactions between MTL learning processes and post-encoding stress*, International Conference on Memory, Budapest, Hungary.

2015 – Travel award conference presentation, *Post-encoding stress and its interactions with MTL learning processes*, Memory Disorders Research Society Meeting, Cambridge, UK.

2014 – Guest speaker, *Why we remember some things and not others: Cortico-hippocampal systems involved in memory and emotion*, Duke University Center for Cognitive Neuroscience, Durham, NC.

Conference presentation, *Medial temporal lobe responses during encoding predict the influence of post-encoding stress on memory*, Bay Area Memory Meeting, Palo Alto, CA.

Invited speaker, *Identifying memory systems in the brain: Functional connectivity and pattern similarity approaches*, UC Davis Imaging Research Center, Translational Cognitive and Affective Neuroscience Lab, Sacramento, CA.

2013 – Conference presentation, *Medial temporal lobe subregions interact with functionally distinct systems*, Context and Episodic Memory Symposium, Philadelphia, PA.

2012 – Conference presentation, *Cortical systems representing context in episodic memory*, Bay Area Memory Meeting, Davis, CA.

## RECENT LAB POSTERS

Brooks, P.P.\*, Hennings, A.C.\*, Guzman, B., Norman, K.A.^, & Ritchey, M.^ (May 2024). Eye movements reveal the dynamics of memory reactivation supporting successful memory suppression. Poster to

- be presented at the Context and Episodic Memory Symposium, Philadelphia, PA.
- Curko, N., Samide, R., & Ritchey, M. (April 2024). Distinct brain pathways for recalling the conceptual and perceptual details of naturalistic emotional memories. Poster presented at the Cognitive Neuroscience Society Annual Meeting, Toronto, Canada. \*\*Selected for Data Blitz\*\*
- Hu, T., Yi, H.Y., Brooks, P.P., & Ritchey, M. (April 2024). Reinstated patterns of visual attention promote flexible scene recognition. Poster presented at the Cognitive Neuroscience Society Annual Meeting, Toronto, Canada.
- Kurkela, K. & Ritchey, M. (May 2023). Limited evidence for an association between intrinsic functional brain connectivity and episodic memory ability. Poster presented at the Context and Episodic Memory Symposium, Orlando, FL.
- Kurkela, K. & Ritchey, M. (April 2023). Limited evidence for an association between intrinsic functional brain connectivity and episodic memory ability. Poster presented at the International Conference on Learning & Memory, Huntington Beach, CA.
- Brooks, P.P., Mao, M., Noyes, M., Yi, H.Y., Hutchinson, S., Kensinger, E.A., Norman, K.A., & Ritchey, M. (November 2022). Eye-tracking evidence for reinstatement of emotionally negative and neutral memories. Poster presented at the Psychonomics Society Annual Meeting, Boston, MA.
- Samide, R., Cooper, R.A., Kensinger, E.A., & Ritchey, M. (April 2022). Retrieval-related brain processes supporting the lasting effects of emotion regulation on memory. Poster presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA. \*\*Graduate Student Award Winner\*\*
- Kurkela, K., Cooper, R.A., Ryu, E., & Ritchey, M. (November 2021). Integrating region- and network-level contributions to episodic memory with multilevel structural equation modeling. Poster presented virtually at the Society for Neuroscience Annual Meeting.
- Schmidt, H., & Ritchey, M. (August 2020). The protective effects of retrieval practice on positive memories. Poster presented virtually at the Context and Episodic Memory Symposium Annual Meeting.
- Samide, R., & Ritchey, M. (August 2020). Differential effects of reappraisal- and suppression-based regulation during retrieval of episodic memories. Poster presented virtually at the Context and Episodic Memory Symposium Annual Meeting.
- Kurkela, K., & Ritchey, M. (August 2020). Additive and redundant contributions of the posterior medial network to episodic memory quality. Poster presented virtually at the Context and Episodic Memory Symposium Annual Meeting.
- Cooper, R.A., & Ritchey, M. (August 2020). Mapping the functional dynamics of the posterior medial episodic network. Poster presented virtually at the Context and Episodic Memory Symposium Annual Meeting.
- Cooper, R.A., & Ritchey, M. (March 2020). Progression from feature-specific brain activity to hippocampal binding during episodic encoding. Poster presented virtually at the Cognitive Neuroscience Society Annual Meeting.
- Samide, R., Cooper, R.A., & Ritchey, M. (March 2020). Differential effects of reappraisal- and suppression-based regulation during retrieval of episodic memories. Poster presented virtually at the Cognitive Neuroscience Society Annual Meeting.
- Schmidt, H., Cooper, R.A., & Ritchey, M. (March 2020). Temporal dynamics supporting the multidimensional quality of episodic memory. Poster presented virtually at the Cognitive Neuroscience Society Annual Meeting.
- Cooper, R.A., & Ritchey, M. (October 2019). Probing intra-network dynamics of the posterior medial system during episodic memory retrieval. Poster presented at the Society for Neuroscience Annual Meeting, Chicago, IL.
- Kurkela, K., & Ritchey, M. (October 2019). Unique and overlapping contributions of posterior medial network nodes to predicting recollection outcomes. Poster presented at the Society for Neuroscience Annual Meeting, Chicago, IL.

Schmidt, H., Samide, R., Cooper, R.A., & Ritchey, M. (March 2019). News flash! Investigating the dynamics of emotional memory using real-life event videos. Poster presented at the Context and Episodic Memory Symposium, Philadelphia, PA.

Samide, R., Cooper, R.A., & Ritchey, M. (March 2019). From hurricanes to homecomings: A database of news broadcast videos for investigating the dynamics of emotional memory. Poster presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.