

Heather D. Lucas, PhD

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<https://faculty.lsu.edu/bamlab/>

EDUCATION

- 2012 Ph.D. in Psychology, Northwestern University
Brain, Behavior, and Cognition Program
Advisor: Ken A. Paller
- 2009 M.S. in Psychology, Northwestern University
Brain, Behavior, and Cognition Program
Advisor: Ken A. Paller
- 2005 B.A., Duke University
Majors: Psychology & English
Minor: Computer Science

ACADEMIC EMPLOYMENT

- 2017-present Assistant Professor
Department of Psychology
Louisiana State University
- 2015-2017 Postdoctoral Research Associate
Beckman Institute for Advanced Science and Technology
University of Illinois at Urbana-Champaign
Advisor: Neal J. Cohen
- 2012-2015 Beckman Institute Postdoctoral Fellow
Beckman Institute for Advanced Science and Technology
University of Illinois at Urbana-Champaign
Independent Postdoctoral Appointment

ACADEMIC AND PROFESSIONAL HONORS, AWARDS, AND FELLOWSHIPS

- 2012-2015 Beckman Institute for Advanced Science and Technology
Postdoctoral Fellowship Award
- 2010-2012 Training Grant Recipient, Northwestern Training Program in the
Neuroscience of Human Cognition (T32 NS047987)
- 2010 Scholarship to attend the UC-Davis ERP Boot Camp
- 2008 National Science Foundation Graduate Research Fellowship
Honorable Mention
- 2007 National Science Foundation Graduate Research Fellowship
Honorable Mention
- 2006-2007 Cognitive Science Graduate Research Fellowship, Northwestern
University

GRANT FUNDING

Extramural

- National Science Foundation 2023 - 2026
*A Multi-modal Investigating of Spatial Reasoning and Training in
Undergraduate Education*
Role: Co-Principal Investigator
Principal Investigator: Dr. Melissa Beck (LSU)
Total Costs: \$1,076,514
- Louisiana Board of Regents 2020 - 2024
*Interplay between memory and information sampling across the adult
lifespan*
Role: Principal Investigator
Total Costs: \$139,410
- Southern Educational Conference Faculty Travel Grant 2019 - 2020
*Deficits in creative language use following acquired medial temporal lobe
damage: Insights from the Vanderbilt Brain Injury Patient Registry*
Role: Principal Investigator
Total Costs: \$1,000

Intramural

LSU Provost Fund for Research Innovation <i>Can feedback-modulated brain stimulation enhance attention?</i> Role: Co-investigator Principal Investigator: Dr. Marcio de Queiroz (LSU) Total Costs: \$75,000	2022 - 2024
LSU Humanities & Social Sciences Instructional Impact Grant <i>Brain Science Speaker Series</i> Role: Co-investigator Principal Investigator: Dr. Melissa Beck (LSU) Total Costs: \$18,727	2018 - 2019
LSU Office of Research and Economic Development Faculty Travel Grant Role: Principal Investigator Total Costs: \$750	2018
LSU Manship Summer Research Grant <i>A causal role of the hippocampus in conceptual combination</i> Role: Principal Investigator Total Costs: \$5000	2018

MANUSCRIPTS UNDER REVIEW

* graduate student trainee; ** undergraduate student trainee

Chaisson, F.C.*, Cox, C.R., Alford, A.M.**, Burleigh, L.M.*, Greening, S.G., **Lucas, H.D.**
(submitted). *Reduced semantic organization of memories formed under threat of shock.*

PEER-REVIEWED PUBLICATIONS

* graduate student trainee; ** undergraduate student trainee

Cairney, B.E.*, West, S.H.*, Haebig, E., Cox, C.R., **Lucas, H.D.** (2023). Interpretations of meaningful and ambiguous hand gestures in autistic and non-autistic adults: A norming study. *Behavior Research Methods*. 1-14. doi: 10.3758/s13428-023-02268-1

Lucas, H.D., Daugherty, A.M., McAuley, E., Kramer, A.F., Cohen, N.J. (2023). Dynamic interactions between memory and viewing behaviors: Insights from dyadic modeling of eye movements. *Journal of Experimental Psychology: Human Perception and Performance*, 49(6), 786–801.

- Saltzman, S.M.* Moen, K.C.* Eich, B.J.* Chaisson, F.M.* Fan, G., Goldstein, R.R., Beck, M.R., **Lucas, H.D.** (2023). Behavioral and electrophysiological evidence for the flexible recruitment of feature- and object-based processing in visual working memory comparison. *Biological Psychology*, 78, 108528
- Le, T.P.* **Lucas, H.D.**, Schwartz, E.K., Mitchell, K.R., & Cohen, A.S. (2020). Frontal alpha asymmetry in schizotypy: Electrophysiological evidence for motivational dysfunction. *Cognitive Neuropsychiatry*, 25(5), 371-386.
- Lucas, H.D.**, Gupta, R.S.**, Hubbard, R.J., & Federmeier, K.D. (2019). Adult age differences in the use of conceptual combination as an associative encoding strategy. *Frontiers in Human Neuroscience*, 13, 339.
- Lucas, H.D.**, Creery, J.D., Hu, X., & Paller, K.A. (2019). Grappling with implicit social bias: A perspective from memory research. *Neuroscience*, 406, 684-697.
- Lucas, H.D.**, Duff, M.C., & Cohen, N.J. (2019). The hippocampus promotes effective saccadic information gathering in humans. *Journal of Cognitive Neuroscience*, 31(2), 186-201.
- Horecka, K.M., Dulas, M. R., Schwarb, H., **Lucas, H.D.**, Duff, M.C., & Cohen, N.J. (2018). Reconstructing relational information. *Hippocampus*, 28(2), 164-177.
- Rubin, R.D., Schwarb, H., **Lucas, H.D.**, Dulas, M.R., & Cohen, N.J. (2017). Dynamic hippocampal and prefrontal contributions to memory processes and representations blur the boundaries of traditional cognitive domains. *Brain Sciences*, 7(7), 82.
- Lucas, H.D.**, Hubbard, R.J., & Federmeier, K.D. (2017). Flexible conceptual combination: Electrophysiological correlates and consequences for associative memory. *Psychophysiology*, 54(6), 833-847.
- Lucas, H.D.**, Monti, J.M., McAuley, E., Watson, P.D., Kramer, A.F., & Cohen, N.J. (2016). Relational memory and self-efficacy measures reveal distinct profiles of subjective memory concerns in older adults. *Neuropsychology*, 30(5), 568-578.
- Xiao, X., **Lucas, H.D.**, Paller, K.A., Ding, J.H., & Guo, C.Y. (2014). Retrieval Intention Modulates the Effects of Directed Forgetting Instructions on Recollection. *PloS One*, 9(8), e104701.

Lucas, H.D., & Paller, K.A. (2013). Manipulating letter fluency for words alters electrophysiological correlates of recognition memory. *NeuroImage*, 83, 849-861.

Paller, K.A., **Lucas, H.D.**, & Voss, J.L. (2012). Assuming too much from 'familiar' brain potentials. *Trends in Cognitive Sciences*, 16(6), 313-315.

Lucas, H.D., Taylor, J.R., Henson, R.N. & Paller, K.A. (2012). Many roads lead to recognition: Electrophysiological correlates of familiarity derived from short-term masked repetition priming. *Neuropsychologia*, 50(13), 3041-3052.

Voss, J.L., **Lucas, H.D.**, & Paller, K.A. (2012). More than a feeling: Pervasive influences of memory without awareness of retrieval. *Cognitive Neuroscience*, 3, 193-207.

*** *With nine commentaries and our reply to the commentaries:*

Lucas, H.D., Paller, K.A., & Voss, J.L. (2012). On the pervasive influences of implicit memory. *Cognitive Neuroscience*, 3(3-4), 219-226.

Lucas, H.D., Chiao, J.Y. & Paller, K.A. (2011). Why some faces won't be remembered: Brain potentials illuminate successful versus unsuccessful encoding for same-race and other-race faces. *Frontiers in Human Neuroscience*, 5, doi: 10.3389/fnhum.2011.00020.

Lucas, H.D., Voss, J.L., & Paller, K.A. (2010). Familiarity or conceptual priming: Good question! Comment on Stenberg, Hellman, Johansson, and Rosen. *Journal of Cognitive Neuroscience*, 22(4), 615-617.

Voss, J.L., **Lucas, H.D.**, & Paller, K.A. (2010). Conceptual priming and familiarity: Two different expressions of memory during recognition testing with distinct neurophysiological correlates. *Journal of Cognitive Neuroscience*, 22(10), 2638-2651.

FORTHCOMING MANUSCRIPTS (all data collected)

* graduate student trainee; ** undergraduate student trainee

Cairney, B.E.*, West, S.W.*, Haebig, E., **Lucas, H.D.** (in preparation). Iconic gestures enhance associative memory by "lending" concreteness to novel word pairs.

Chaisson, F.M.*, **Lucas, H.D.** (in preparation). Acute anxiety impacts ERP correlates of memory formation.

Cairney, B.E.*, Sykes, J.R.*, Knieper, A.**, **Lucas, H.D.**, & Haebig, E. (*in preparation*). Relations among confidence, feedback, and associative memory in autistic adults

BOOK CHAPTERS

Lucas, H.D., Sanchez, D., Creery, J.D., Hu, X., & Paller, K.A. (2021). Changing hearts and minds to grow compassion: Syndrome C. In I. Fried, A. Berthoz, & G. Mirdal (Eds.), *The Brains that Pull the Triggers: Syndrome E* (pp. 435-463). New York: Odile Jacob Publishers.

CONFERENCE PRESENTATIONS

* graduate student trainee; ** undergraduate student trainee

Kindell, C.A.*, **Lucas, H.D.** (2024, April). Hidden Markov modeling of viewing behaviors reveals discrete “encoding states” during visuospatial memory formation. *Poster accepted for the annual meeting of the Cognitive Neuroscience Society, Toronto, Canada.*

Cairney, B.E.*, West, S.W.*, Haebig, E., **Lucas, H.D.** (2024, April). Iconic gestures from “conceptual pegs”: Behavioral and ERP evidence. *Poster accepted for the annual meeting of the Cognitive Neuroscience Society, Toronto, Canada.*
***** selected for additional presentation as a Data Blitz talk**

Chaisson, F.C.*, Cox, C.R., Alford, A.M**, **Lucas, H.D.**, Cox, C.R. (2024, April). Semantic clustering and semantic path length: Two measures of free recall organization with different functional properties. *Poster accepted for the annual meeting of the Cognitive Neuroscience Society, Toronto, Canada.*

Lucas, H.D., Cairney, B.E.*, West, S.W.*, Haebig, E. (2023, October). Gesture as concreteness enhancers: Evidence from ERPs and associative memory. *Slide presentation given at the ARMADILLO Cognition and Cognitive Neuroscience Southwest Regional Conference. San Marcos, TX*

Cairney, B.E.*, West, S.W.*, Haebig, E., **Lucas, H.D.** (2023, September). Meaningful co-speech gestures enhance associative memory formation, but only when the listener expects them to be meaningful. *Poster Presented at the annual meeting of the Society for Psychophysiological Research. New Orleans, LA*

Kindell, C.A.*, **Lucas, H.D.** (2023, September). Tracking encoding dynamics via multi-state modeling of eye movements. *Poster Presented at the annual meeting of the Society for Psychophysiological Research. New Orleans, LA*

- Kindell, C.A.* , **Lucas, H.D.** (2022, November). Divided attention decreases the amount, but not the effectiveness, of saccadic exploration during memory encoding. *Poster presented at the annual meeting of the Psychonomic Society, Boston, MA.*
- Alford, A.** , Chaisson, F.M.* , **Lucas, H.D.** (2022, March). An investigation of the effects of acute stress on elaborative encoding strategies. *Poster Presented at the annual meeting of the Society for Affective Science, virtual format.*
- Saltzman, S.M.* , Moen, K.C.* , Eich, B.J.* , Chaisson, F.M.* , Fan, G. , Goldstein, R.R. , Beck, M.R. , **Lucas, H.D.** (2022, May). Neural correlates of task-irrelevant feature processing in visual working memory. *Poster Presented at the annual meeting of Vision Science Society, St. Pete Beach, FL.*
- Cairney, B.E.* , West, S.H.* , **Lucas, H.D.** (2022, June). Iconic gestures lend concreteness to novel word pairs: Evidence from mental imagery and memory tasks. *Slide presentation at the International Max Planck Research School for Language Sciences, Nijmegen, the Netherlands.*
- Cairney, B.E.* , West, S.H.* , Haebig, E. , **Lucas, H.D.** (2022, April). Electrophysiology reveals complex effects of gesture on memory for paired associates. *Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.*
- Chaisson, F.M.* , Cox, C.R. , Alford, A.** , **Lucas, H.D.** (2022, April). Acute anxiety reduces behavioral and electrophysiological measures of semantic processing during memory formation. *Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.*
- Lucas, H.D.** , Hobbs, K.E.** , Cairney, B.E.* , & (2021, November). It's how you look at it: Differences in visual exploration behaviors during item and relational memory tasks. *Slide presentation given at the annual meeting of the Psychonomic Society, virtual format.*
- Lucas, H.D.** , Daugherty, A.M. , & Cohen, N.C. (2021, October). Dynamic interactions between memory and eye movements: A structural equation model approach. *Slide presentation given at the annual meeting of the ARMADILLO Conference for Cognition and Cognitive Neuroscience, virtual format.*
- Cairney, B.E.* , West, S.H.** , Haebig, E. & **Lucas, H.D.** (2021, August). Interpretations of meaningful and ambiguous gestures in individuals with and without Autism Spectrum Disorder. *Poster presented at the annual meeting of the Cognitive Science Society, virtual format.*

- Chaisson, F.M.*, Burleigh, L.M.*, Greening, S.G., & **Lucas, H.D.** (2021, October). Learning under stress: Electrophysiological evidence that acute stress impairs strategic encoding processes. *Poster submitted to the annual meeting of the Society for Psychophysiological Research, virtual format.*
- Cairney, B.E.*, West, S.H.** & **Lucas, H.D.** (2021, March). Interpretation of familiar and novel gestures in Autism Spectrum Disorder: Insights from an open science database. *Slide presentation given at the annual meeting of the Southwestern Psychological Association, virtual format.*
- Chaisson, F.M.*, Burleigh, L.M.*, Greening, S.G., & **Lucas, H.D.** (2021, April). Distinct effects of acute anxiety on memory and metamemory. *Slide presentation given at the annual meeting of the Southwestern Psychological Association, virtual format.*
- Cairney, B.E.*, West, S.H.** & **Lucas, H.D.** (2020, April). Iconic gestures enhance mental imagery and facilitate associative memory. *Poster and slide presentation given at the annual meeting of the Southwestern Psychological Association, virtual format.*
***** 2020 SEPA Graduate Student Research Award winner**
- West, S.H.** & Cairney, B.E.* & **Lucas, H.D.** (2020, March). An ERP study of the beneficial effects of gesture on associative memory formation. *Poster presented at the annual meeting of the Cognitive Neuroscience Society, virtual format.*
- Duncan, E.S., Nakkawita, S.*, **Lucas, H.D.**, Carmichael, O.T., & de Queiroz, M. (2020, March). Effects of transcranial direct current stimulation (tDCS) on operator vigilance: A double-blind, sham-controlled Study. *Poster presented at the annual meeting of the Cognitive Neuroscience Society, virtual format.*
- Chaisson, F.M.*, Burleigh, L.M.*, Greening, S.G., & **Lucas, H.D.** (2020, March). An ERP investigation of the effects of acute stress on memory formation and judgments of learning. *Poster presented at the annual meeting of the Cognitive Neuroscience Society, virtual format.*
- Chaisson, F.M.*, Burleigh, L.M.*, Greening, S.G., & **Lucas, H.D.** (2019, October). Acute anxiety impairs memory formation but does not influence judgments of learning. *Poster presented at the annual meeting of the ARMADILLO Conference for Cognition and Cognitive Neuroscience, San Antonio, TX.*
- Cairney, B.E.*, West, S.H.** & **Lucas, H.D.** (2019, October). Iconic gestures, but not beat gestures, facilitate memory for novel associations. *Poster presented at the annual meeting of the ARMADILLO Conference for Cognition and Cognitive Neuroscience, San Antonio, TX.*

- Lucas, H.D.**, Goel, M., Federmeier, K.D., Duff, M.C., & Cohen, N.C. (2018, October). Hippocampal amnesia impairs the creative use of language. *Slide presentation given at the annual meeting of the ARMADILLO Conference for Cognition and Cognitive Neuroscience, Houston, TX.*
- Lucas, H.D.**, Duff, M.C., & Cohen, N.C. (2018, March). Hippocampal contributions to conceptual combination. *Slide presentation given at the annual meeting of the Society for Neuroscience of Creativity, Boston, MA.*
- Lucas, H.D.**, Duff, M.C., & Cohen, N.C. (2018, March). Hippocampal damage impairs creativity in conceptual combination. *Poster presented at the annual meeting of the Cognitive Neuroscience Society, Boston, MA.*
- Le, T.P.***, Lucas, H.D.**, Mitchell, K.R., Schwartz, E.K., & Cohen, A.S. (2017, September). Frontal Asymmetry in Schizophrenia. *Poster presented at the annual meeting of the Society for Research in Psychopathology, Denver, CO.*
- Lucas, H.D.**, Duff, M.C., Cohen, N.C. (2017, March). The hippocampus promotes effective saccadic information-gathering in humans. *Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.*
***** selected for additional presentation as a Data Blitz talk**
- Lucas, H.D.**, Gupta, R.S., Hubbard, R.J., & Federmeier, K.D. (2016, April). An ERP study of adult age differences in the use of self-directed conceptual combination to construct unitized memory representations. *Poster presented at the annual meeting of the Cognitive Neuroscience Society, New York, NY.*
- Lucas, H.D.**, Watson, P.D., Monti, J.M., McAuley, E., Kramer, A.F., & Cohen, N.J. (2015, October). Scanpath entropy at study predicts subsequent spatial reconstruction accuracy. *Poster presented at the annual meeting of the Society for Neuroscience, Chicago, IL.*
- Lucas, H.D.**, Watson, P.D., Monti, J.M., McAuley, E., Kramer, A.F., & Cohen, N.J. (2015, March). Subjective memory complaints in older adults are associated with relational memory errors in spatial reconstruction. *Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.*
- Lucas, H.D.**, Hubbard, R.J., Abusager, K.A., & Federmeier, K.D. (2014, November). An ERP investigation of the formation of unitized memory representations of arbitrary word pairs. *Poster presented at the annual meeting of the Society for Neuroscience, Washington DC.*

Lucas, H.D., & Paller, K.A. (2012, April). Familiarity memory is multiply determined: Evidence from electrophysiological analyses of letter fluency. *Poster presented at the annual meeting of the Cognitive Neuroscience Society, Chicago, IL.*

Lucas, H.D., & Paller, K.A. (2011, April). Many processes lead to recognition: Electrophysiological correlates of familiarity derived from short-term masked repetition. *Slide presentation given at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.*

Lucas, H.D., Taylor, J.R., Henson, R.N.A., & Paller, K.A. (2010, April). Neural correlates of word repetition, processing fluency, and recognition memory. *Poster presented at the annual meeting of the Cognitive Neuroscience Society, Montreal, Canada.*

Morrison, R.G., **Lucas, H.D.**, Florczak, S.M., James, M., Wingo, J.M., & Paller, K.A. (2010, April). Brain potentials reflect changes in memory with age. *Poster presented at the annual meeting of the Cognitive Neuroscience Society, Montreal, Canada.*

Lucas, H.D., Chiao, J.Y., & Paller, K.A. (2009, October). Electrophysiological correlates of objective and subjective encoding success for same- and other-race faces. *Poster presented at the annual meeting of the Society for Neuroscience, Chicago, IL.*

Lucas, H.D., Chiao, J.Y., & Paller, K.A. (2009, March). Neural correlates of face memory as a function of race-based attention and categorization. *Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.*

Lucas, H.D., Voss, J.L., & Paller, K.A. (2007, June). Characterizing neural correlates of familiarity and conceptual priming. *Poster presented at the annual meeting of the Organization for Human Brain Mapping, Chicago, IL.*

Lucas, H.D., & Schmajuk, N.A. (2004, November). Applications of a neural network model to serial-order discrimination. *Poster presented at the annual Triangle Undergraduate Research Symposium, Raleigh, NC.*

INVITED ADDRESSES

2022 Plenary Address, National Association of State Judicial Educators
Title: *Learning While Aging: The cognitive neuroscience of lifelong learning*

2019 Tulane University Department of Psychology Colloquium

- Title: *When passive study is not passive: Interactions between saccadic exploration and memory formation*
- 2016 Flash Talk Speaker, Society for Psychophysiological Research
Title: *Neural measures of flexible conceptual combination and its consequences for associative memory*
- 2015 Beckman Institute Director's Seminar
Title: *The monitoring and strategic control of memory representations in younger and older adults*
- 2015 Beckman Institute Language Processing Brown Bag
Title: *Compositional language, aging, and the strategic control of memory representations*
- 2014 University of Illinois Integrative Immunology and Behavior Seminar Title:
Cognitive and psychosocial correlates of subjective memory concerns in older adults: Implications for Alzheimer's disease prevention
- 2012 University of Illinois Department of Psychology Cognitive Brown Bag
Title: *Deconstructing recognition memory: Brain potentials reveal contributions of fluency to familiarity experiences*
- 2011 Northwestern University Cognitive Brain Mapping Group
Title: *Many processes lead to recognition: Electrophysiological correlates of familiarity derived from short-term masked repetition*

TEACHING AND MENTORSHIP

Cognition (PSYC 3030, Louisiana State University). Mid-division Psychology course focused on broad topics in cognition, including attention, perception, memory, language, and decision-making.

Fall 2017	3030-1 (41 students)	Mean Evaluation: 4.6/5
Fall 2017	3030-2 (74 students)	Mean Evaluation: 4.5/5
Spring 2018	3030-1 (48 students)	Mean Evaluation: 4.6/5
Fall 2018	3030-1 (60 students)	Mean Evaluation: 4.7/5
Spring 2019	3030-2 (40 students)	Mean Evaluation: 4.7/5
Spring 2020	3030-1 (60 students)	Mean Evaluation: 4.7/5
Fall 2021	3030-1 (59 students)	Mean Evaluation: 4.6/5
Fall 2022	3030-1 (51 students)	Mean Evaluation: 4.8/5
Fall 2023	3030-1 (68 students)	Mean Evaluation: 4.8/5
Fall 2023	3030-2 (68 students)	Mean Evaluation: 4.6/5

Cognitive Neuroscience (PSYC 4041, Louisiana State University). Upper-division Psychology course focused on the neural basis of cognition.

Fall 2019	4041-1 (20 students)	Mean Evaluation: 4.8/5
Fall 2019	4041-2 (34 students)	Mean Evaluation: 4.9/5
Fall 2021	4041-1 (48 students)	Mean Evaluation: 4.8/5
Fall 2022	4041-1 (57 students)	Mean Evaluation: 4.6/5
Spring 2023	4041-1 (53 students)	Mean Evaluation: 4.7/5

Methodology and Research Design (PSYC 7117, Louisiana State University). Graduate course covering a range of advanced topics related to the scientific approach to Psychological research questions.

Spring 2018	7117-1 (08 students)	Mean Evaluation: 4.6/5
Spring 2019	7117-1 (21 students)	Mean Evaluation: 4.5/5
Spring 2020	7117-1 (16 students)	Mean Evaluation: 4.7/5
Spring 2022	7117-1 (13 students)	Mean Evaluation: 4.6/5
Spring 2023	7117-1 (21 students)	Mean Evaluation: 4.9/5

Cognitive Electrophysiology (PSYC 7938, Louisiana State University). Graduate seminar in on the theory and practice of using recordings of electrical activity in the brain to study cognition and behavior, focusing on the event-related potential (ERP) method. Students gain substantial hands-on experience collecting, analyzing, and interpreting ERP data.

Fall 2018	7938-1 (13 students)	Mean Evaluation: 4.6/5
Spring 2022	7939-1 (09 students)	Mean Evaluation: 4.8/5

PSYC 2999/4999 (Louisiana State University). Undergraduate “research experience” courses with standard A-F grading.

**recipient of Distinguished Undergraduate Researcher Award*

Amber Alford	(2999, 2019-2021)
Cody Capps	(4999, 2019-2020)
Cristen Cooper	(2999, 2019-2020)
Meghan Garcelon	(2999, 2024 – present)
Collean Hebert	(2999, 2018-2019)
Kara Hobbs	(2999, 2019-2021)
Alena Knieper	(2999, 2023 – present)
Andrew Leaber	(2999, 2024 – present)
Brooke Montgomery	(2999, spring 2021)
Z (Lila) Rigamer	(4999, 2022 – 2023)
Blake Roussel	(2999, spring 2018)
Rebecca Wallace	(4999, 2018-2019)
Laurel Walther	(4999, 2024 – present)
Stan West	(2999/4999, 2018-2020)

Adrienne Wyble*

(4999, 2021-2023)

Doctoral Students Supervised

Chloe Kindell, Louisiana State University	2021 – present
Brianna Cairney, Louisiana State University <u>*** 2019 NSF GRFP Honorable Mention Recipient</u>	2018 – present
Felicia Chaisson, Louisiana State University <u>*** 2020 NSF GRFP Recipient</u>	2018 – present

Doctoral Advisory Committees

Brandon Eich, Louisiana State University	2023 – present
Stephanie Saltzmann, Louisiana State University	2022 – 2023
Vincent Medina, Louisiana State University	2021 – 2023
Heather Bruett, University of Pittsburgh	2020 – 2021
Sunghyun Kim, Louisiana State University	2018 – 2020

General Exam Committees.

Brandon Eich, Louisiana State University	2023
Stephanie Saltzmann, Louisiana State University	2022
Vincent Medina, Louisiana State University	2021 – 2022
Sunghyun Kim, Louisiana State University	2018 – 2020

Master's Thesis Committees

David Tomshe, Louisiana State University	2023 - present
Lauren Schiro, Louisiana State University	2023 – present
Capprielle Priola, Louisiana State University	2023 – 2024
Alex Lawriw, Louisiana State University	2023 – 2024
Rachel Evans, Louisiana State University	2022 – 2023
Brandon Eich, Louisiana State University	2020 – 2021
David Browning, Louisiana State University	2020
Taylor Fedechko, Louisiana State University	2017 – 2019

Dean's Representative Service

Rebecca Riccardi, Louisiana State University	2021 – 2023
Carlos Enrique Santelli, Louisiana State University	2022 – 2023
Edward Austin, Louisiana State University	2020
Mistie Perry, Louisiana State University	2019

Undergraduate Honors Theses Supervised

- Laurel Walther, Louisiana State University 2024 – present
The effects of inter-item similarity on study-phase viewing behaviors and memory for spatial locations
- Z (Lila) Rigamer, Louisiana State University 2022 – 2023
Where so we focus? Self-regulated learning strategies in encoding unfamiliar faces.
- Kara Hobbs, Louisiana State University 2020 – 2021
The functional role of eye movements during the formation of relational and item memories
- Rebecca Wallace, Louisiana State University 2018 – 2019
The effects of threat-evoked anxiety on visuospatial memory
- Mahima Goel, University of Illinois Urbana-Champaign 2016 – 2017
The role of the hippocampus in conceptual combination
- Resh Gupta, University of Illinois Urbana-Champaign 2014 – 2025
The effects of unitization on associative memory in young and older adults
*** Awarded the Michael Coles Cognitive Neuroscience Division undergraduate thesis award

McNair Scholars Supervised

- Amber Alford, Louisiana State University 2020 – present
The effects of acute stress on learners' use of effective study strategies ***
Awarded an LSU Discover Grant for the fall 2020 and spring 2021 semesters

ASPIRE Students Supervised

- Stan West, Louisiana State University 2019 – 2020
An ERP study of the beneficial effects of gesture on associative memory formation

LSU Presidential Future Leaders in Research Students Supervised

- Benjamin Klein 2021 – 2022

LSU Explorers Research Program Students Supervised

- Ethan Rogers 2022 – 2023

Teaching Assistantships (Northwestern University, 2007-2012)

Senior Honors Seminar	(300 level, two terms)
Research Methods	(200 level, one term)
Introduction to Psychology	(100 level, four terms)
Psychopathology	(300 level, one term)
Developmental Psychology	(200 level, one term)

GRANT REVIEWING

2022 NSF, Grant Review Panel member, BCS division

2019 NSF, EHR Core Research (ECR) Panel, ad hoc review

2012 NSF, Perception, Action, and Cognition Panel, ad hoc review

AD HOC JOURNAL REVIEWING

Acta Psychologica
Aging, Neuropsychology, and Cognition
Biological Psychology
Brain and Cognition
Brain Research
Cerebral Cortex
Cognition
Cognitive, Affective, and Behavioral Neuroscience
Consciousness & Cognition
Developmental Science
Experimental Brain Research
Experimental Aging Research
Frontiers in Human Neuroscience
Hippocampus
International Journal of Psychophysiology
Journal of Cognitive Neuroscience
Journal of Experimental Psychology: Learning, Memory, and Cognition
Journal of Neuroscience
Learning & Memory
Memory & Cognition
Neurobiology of Aging
Neurobiology of Learning and Memory
NeuroImage
Neuropsychologia
Neuropsychology
PLOS One
Psychophysiology
Scientific Reports

Social, Cognitive, and Affective Neuroscience

PROFESSIONAL SERVICE AND OUTREACH

- 2023 – pres Faculty Advisor for Synapse LSU (undergraduate interdisciplinary neuroscience club)
- 2021 – pres Member of the Education and Training Committee of the Society for Psychophysiological Research (SPR)
- 2021 – pres Undergraduate Advising Committee Member for the Department of Psychology
- 2017 – pres *LSU MIND* Executive Committee Member. Initiative to develop an Interdisciplinary Neuroscience Institute at LSU.
- 2021 – 2023 Workgroup Head for the Committee for Diversity in Psychology (CDOP) Workgroup “Recruiting and Retaining Diverse Students and Faculty”
- 2018 – 2023 Steering Committee Member for the Committee for Diversity in Psychology (CDOP)
- 2022 – 2023 Search committee member for Cognitive & Brain Sciences faculty search
- 2021, 2023 Application reviews for LSU DISCOVER undergraduate research program
- 2021 Session chair for the “Recognition Memory 1” Spoken Session at the 2021 meeting of the Psychonomic Society, virtual format
- 2021 Acting Area Head for the Cognitive and Brain Sciences program for the spring 202 semester
- 2020 – 2021 Search committee member and Diversity Advocate for Cognitive & Brain Sciences faculty search
- 2019 Panelist for LSU MIND's Women in Neuroscience: A Film Screening & Panel Discussion
- 2013-2014 Organized and facilitated the Beckman Institute Graduate Student Seminar series.
- 2008-2012 *Teaching Consultant for Northwestern's Searle Center for Teaching Excellence*. Position involved visiting classrooms to gather anonymous feedback from students regarding course instruction and providing instructors with suggestions based on students' feedback.

- 2009-2010 *Graduate Teaching Workshop Facilitator*, Northwestern University Searle Center for Teaching Excellence
- 2009 workshop: "Teaching Majors and Non-majors"
2010 workshop: "Facilitating Classroom Discussion"
- 2009 Volunteer judge for McDade Elementary School Science Fair, Chicago IL
- 2008 *Teaching Assistant Fellow*, Northwestern University Searle Center for Teaching Excellence. Designed and facilitated two workshops for firsttime TAs in Psychology and Linguistics as part of the annual New TA Conference

PROFESSIONAL MEMBERSHIPS

- Cognitive Neuroscience Society (2007 – present)
Psychonomic Society (2017 – present)
Society for Psychophysiological Research (2016 – present)
SPARK Society (2022 – present)

PREDOCTORAL RESEARCH POSITIONS

- 2005-2006 Laboratory Manager, Developmental Cognitive Neuroscience Laboratory
PI: Kevin Pelphrey, PhD, Duke University Psychology Department
- 2004-2005 Research Assistant, Computational Neuroscience Laboratory
PI: Nestor Schmajuk, PhD, Duke University Psychology Department
- 2004-2005 Research Assistant, Infant Cognition Center
PI: Elizabeth Brannon, PhD, Duke University Psychology Department
- 2002-2003 Research Assistant, With Walt Whitman in Camden Digital Edition
Editor: Matt Cohen, PhD, Duke University English Department