

COURTNEY R. GERVER

The Pennsylvania State University
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 University Park, PA 16802
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EDUCATION

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- Ph.D., Cognitive Neuroscience** 2019-
M.S., Cognitive Psychology 2019
 The Pennsylvania State University, University Park, PA
Master's Thesis: Effect of Encoding-Retrieval Congruency on Associative Retrieval
Advisor: Nancy A. Dennis, Ph.D.
- B.S., Psychology, Criminal Justice Minor** 2017
 St. Thomas Aquinas College, Sparkill, NY
Summa Cum Laude, Honors Program distinction
- Visiting Student, Oxford Berkeley Program** 2016
 University of Oxford, Oxford, England

RESEARCH EXPERIENCE

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- Graduate Research Assistant** 2017-
Cognitive Aging & Neuroimaging Lab, The Pennsylvania State University, University Park, PA
 Project: Examine the effects of cognitive aging on associative memory using fMRI.
Advisor: Nancy A. Dennis, Ph.D. 2019-
Beaty Lab, The Pennsylvania State University, University Park, PA
 Project: Examine the relationship between divergent thinking and false memories.
Breadth Advisor: Roger E. Beaty, Ph.D.
- Hakun Lab*, The Pennsylvania State University, University Park, PA 2018-2019
 Project: Validate ambulatory assessments of thoughts and cognitive abilities.
Mentor: Jonathan G. Hakun, Ph.D.
- Research Assistant** 2015-2017
Nathan S. Kline Institute for Psychiatric Research, Orangeburg, NY
 Project: Investigate the longitudinal effects of aging using a cognitive battery, VO2 Max, and fMRI.
Mentor: Anna MacKay-Brandt, Ph.D. 2016-2017
St. Thomas Aquinas College, Sparkill, NY
 Project: Examine the relationship between conscientiousness, happiness, and procrastination.
Advisor: Susan K. Marell, Ph.D. 2015-2016
St. Thomas Aquinas College, Sparkill, NY
 Project: Examine the relationship between trait narcissism and cross-platform social media use.
Mentor: Benjamin C. Wagner, Ph.D.
- NSF REU Summer Research Assistant** 2015
Cognition & Learning Lab, Temple University, Philadelphia, PA
 Project: Developmental trajectory of spatial and mathematical abilities.
Mentor: Elizabeth A. Gunderson, Ph.D.

PUBLICATIONS

- Dennis, N. A., & Overman, A. A., **Gerver, C. R.**, McGraw, K., Rowley, M. A., & Salerno, J. M. (2019). Different types of associative encoding evoke differential processing in both younger and older adults: evidence from univariate and multivariate analyses. *Neuropsychologia*, 135. <https://doi.org/10.1016/j.neuropsychologia.2019.107240>
- Gerver, C. R.**, Neely, K. A., Kurkela, K. A., Diaz, M. T., Goodman, J. T., Blouch, S. L., Samimy, S., & Dennis, N. A. (2019). Shared neural recruitment across working memory and motor control tasks as a function of task difficulty and age. *Aging, Neuropsychology, and Cognition*. <https://doi.org/10.1080/13825585.2019.1700898>

SUBMITTED OR IN PREP PUBLICATIONS

- Gerver, C. R.**, McGraw, K., Rowley, M.A., Salerno, J.M., Giglio, A.P., Overman, A.A., & Dennis, N. A. (In prep). Effect of encoding-retrieval congruency on associative retrieval.
- Hakun, J. G. & **Gerver, C. R.** (In prep). Ultra-brief ambulatory assessment of working memory capacity.

POSTER PRESENTATIONS

- Gerver, C. R.**, Overman, A. A., Cowan, J., Jenkins, C., Kautz, B., Long, M., Seo, M. S., & Dennis, N. A. (submitted). Manipulating associative encoding strategy impacts neural discriminability at encoding and retrieval. Poster submitted for the Cognitive Neuroscience Society Annual Meeting, Boston, MA.
- Gerver, C. R.**, Overman, A. A., Cowan, J., Jenkins, C., & Dennis, N. A. (accepted). Encoding-retrieval congruency affects the neural processing of associative recollection in older adults. Poster submitted for the Cognitive Aging Conference, Atlanta, GA.
- Note: Gray = maiden name**
- Gray, C. R.**, Chamberlain, J. D., McGraw, K. E., Babu, H., Overman, A. A., & Dennis, N. A. (2019). The influence of memory performance on neural representations supporting associative retrieval. Poster presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
- Gray, C. R.**, Overman, A. A., McGraw, K. E., Rowley, M. A., Salerno, J. M., Hultman, C. E., & Dennis, N. A. (2019). Neural encoding differences between younger and older adults in associative memory. Poster presented at the Dallas Aging and Cognition Conference, Dallas, TX.
- McCormick-Huhn, J. M., **Gray, C. R.**, Iriondo, H., Babu, H. J., Richardson, H., & Dennis, N. A. (2018). Using perceptual manipulations as a new approach for promoting unitization in older adults. Poster presented at the Cognitive Aging Conference, Atlanta, GA.
- McGraw, K. E., Rowley, M. A., Salerno, J. M., Giglio, A. P., **Gray, C. R.**, Overman, A. A., & Dennis, N. A. (2018). Neural Encoding Differences in Older Adults' Associative Memory. Poster presented at the Cognitive Aging Conference, Atlanta, GA.
- Gray, C. R.**, Rowley, M. A., McGraw, K. E., Salerno, J. M., Giglio, A. P., Overman, A. A., & Dennis, N. A. (2018). Effect of Congruency Between Encoding and Retrieval on Associative Retrieval. Poster presented at the Cognitive Neuroscience Society Annual Meeting, Boston, MA.
- Gray, C. R.**, & Marell, S. K. (2017). Conscientiousness as a mediating variable of happiness and procrastination. Poster presented at Ignite: Second Annual St. Thomas Aquinas College Art, Design, & Scholarship Exhibition, Sparkill, NY.

- Gray, C. R., & Wagner, B.** (2017). My news is important to share: Connections between narcissism and social media usage. Poster presented at the Society for Personality and Social Psychology Annual Convention, San Antonio, TX.
- Gray, C. R., & Wagner, B.** (2016). My news is important to share: Connections between narcissism and social media usage. Poster presented at the New England Psychological Association Annual Meeting, Worcester, MA.
- Femovich, M. R., **Gray, C. R.**, Hamdan, N., D'Esterre, A., & Gunderson, E. A. (2015). The role of gender in verbal versus spatial mental rotation strategies. Poster presented at the Ninth Biennial Meeting of the Cognitive Development Society, Columbus, OH.
- Hamdan, N., D'Esterre, A., Femovich, M. R., **Gray, C. R.**, Hildebrand, L., Black, C., & Gunderson, E. A. (2015). Fraction number line training leads to learning and transfer in early elementary students' fraction magnitude concepts. Poster presented at the Ninth Biennial Meeting of the Cognitive Development Society, Columbus, OH.
- Gray, C. R.**, Femovich, M. R., Hamdan, N., D'Esterre, A., & Gunderson, E. A. (2015). Developmental trajectory of fraction area model strategy use in second and third graders. Poster presented at the Ninth Biennial Meeting of the Cognitive Development Society, Columbus, OH.

HONORS & AWARDS

NSF Graduate Research Fellowship Program Honorable Mention	2019
Penn State Psychology Department Travel Award	2018, 2019
Gold Key Service Award	2017
St. Thomas Aquinas College Travel Award (\$1,000)	2017
Dean's List Recipient (all semesters)	2013-2017
LEAD Level 2 STAC Student Leadership Series: Silver Award	2016
St. Thomas Aquinas College Student Leadership Award Honorable Mention	2016
NSF Research Experience for Undergraduates Scholar	2015
Phoenix Award	2014
Harry Golde and Terry McCoy Scholarship Award (\$150)	2013

PROFESSIONAL LEADERSHIP & INVOLVEMENT

SLEIC Student Advisory Committee Member, PSU, PA	2019-
fMRI Workshop Chair & Presenter, Elon University, NC	2019
Summer School in Social Neuroscience and Neuroeconomics Attendee, Duke, NC	2019
Participants Across the Lifespan (PALs) Graduate Coordinator, PSU, PA	2017-
Academic & eXperimental Org. for Neuroscience Students Member, PSU, PA	2017-
Psychology & Neuroscience Team Advisor, Harvard Medical School, Boston, MA	2016
Researching Research Chair, Educational Outreach Program, NY	2016-2017
Psychology Club Vice President, STAC, Sparkill, NY	2014-2017
Thomist Editor-in-Chief & Club President, STAC, Sparkill, NY	2014-2017
Random Acts of Kindness Vice President, STAC, Sparkill, NY	2014-2017
St. Thomas Aquinas College Ambassador, STAC, Sparkill, NY	2014-2017
History Club Treasurer, STAC, Sparkill, NY	2014-2016

TEACHING EXPERIENCE, INVITED LECTURES, & CERTIFICATIONS

Lab Instructor

The Pennsylvania State University, University Park, PA

- Basic Research Methods in Psychology (PSYCH301W) Spring 2020
- Basic Research Methods in Psychology (PSYCH301W) Fall 2019

Teaching Assistant

The Pennsylvania State University, University Park, PA

- Basic Research Methods in Psychology (PSYCH301W) Fall 2019
- Neurobiology of Human Behavior (PSYCH260) Spring 2019
- Senior Seminar in Cognitive Neuroscience (PSYCH490) Spring 2019
- Introduction to Psychology (PSYCH101) Fall 2018
- Cognitive Development (PSYCH471) Spring 2018
- Psychology of Adjustments and Social Relationships (PSYCH413) Spring 2018
- False Memory & Eyewitness Testimony (PSYCH490) Fall 2017
- Cognitive Development (PSYCH413) Fall 2017

Invited Lecturer

The Pennsylvania State University, University Park, PA

- Introduction to Psychology for Honors Students (PSYCH100) Fall 2019
Topic: Associative and false memories
- Neurobiology of Human Behavior (PSYCH260) Spring 2019
Topic: Biological basis of episodic memory impairments
- False Memory & Eyewitness Testimony (PSYCH490) Fall 2017
Topics: Weapon focus effect, false memories: application to eyewitness testimony
- Cognitive Development (PSYCH413) Fall 2017
Topic: Environmental influences on cognitive development

St. Thomas Aquinas College, Sparkill, NY

- Introduction to Psychology (PSY101) Spring 2017
Topic: Research Foundations

International Tutor Training Program Certification

College Reading & Learning Association

2017

Center for Academic Excellence Psychology Tutor

St. Thomas Aquinas College, Sparkill, NY

2015-2017

Chegg Tutor

Online Psychology Tutor

2016-2017

PROFESSIONAL MEMBERSHIPS

Gold Key Honor Society	2019-
Cognitive Neuroscience Society	2017-
Alpha Phi Sigma National Honor Society	2017-
Psi Chi International Honor Society	2016-
Pi Gamma Mu International Honor Society	2016-
Alpha Chi National College Honor Society	2015-
Cognitive Development Society	2015

