



Carissa A. Zimmerman

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Education

- 2010 Ph.D. in Cognitive Psychology, Florida State University, Tallahassee, FL
Dissertation title: Intentional binding of negative items in memory.
- 2008 M.S. in Cognitive Psychology, Florida State University
Thesis title: An item-specific and relational processing account of emotional memory enhancement.
- 2005 B.A. Summa Cum Laude, Psychology (with Honors) and Spanish, Trinity University, San Antonio, TX
Thesis title: Emotional fluency and the discrepancy-attribution hypothesis.

Other Training

- October 2006 Functional MRI Visiting Fellowship, Massachusetts General Hospital/Massachusetts Institute of Technology/Harvard Medical School Athinoula A. Martinos Center for Biomedical Imaging, Boston, MA
- Summer 2004 Cognitive Neuropsychology Internship, Rice University, Houston, TX

Positions Held

- 2019 to present Director of the Social Sciences Quantitative Methods Program, Rice University, Houston, TX
- 2018 to present Senior Lecturer, Rice University, Department of Psychological Sciences, Houston, TX
- 2011 to 2018 Lecturer, Rice University, Department of Psychology, Houston, TX
- 2010 to 2011 Postdoctoral Research Fellow, Baylor College of Medicine Alzheimer's Disease and Memory Disorders Center, Houston, TX

Teaching Experience

Courses at Rice University

Introduction to Cognitive Psychology
Quantitative Analysis for the Social Sciences
Statistical Methods
Memory

Courses at Florida State University

Research Methods and Statistics
Research Methods and Statistics Lab
Cognitive Psychology Lab

Additional teaching interests

Emotion and memory; Metacognition

Course and Instructor Evaluations

Introduction to Cognitive Psychology

Weighted average course quality rating: 1.66 (Rice mean: 1.85); 48% “Outstanding”

Weighted average instructor effectiveness rating: 1.51 (Rice mean: 1.76); 59% “Outstanding”

Quantitative Analysis for Social Sciences

Average course quality rating: 1.72 (Rice mean: 1.78); 46% “Outstanding”

Average instructor effectiveness rating: 1.45 (Rice mean: 1.68); 65% “Outstanding”

Statistical Methods

Weighted average course quality rating: 1.54 (Rice mean: 1.86); 57% “Outstanding”

Weighted average instructor effectiveness rating: 1.47 (Rice mean 1.72); 66% “Outstanding”

Memory

Weighted average course quality rating: 1.76 (Rice mean: 1.87); 39% “Outstanding”

Weighted average instructor effectiveness rating: 1.53 (Rice mean: 1.78); 61% “Outstanding”

Teaching and Advising Honors

Will Rice College Favorite Professor (Spring 2019)

Sid Richardson College Favorite Professor (Spring 2019)

Rice University Scholar Athlete Favorite Professor (Spring 2019)

Baker College Best Professor (Fall 2018)

*George R. Brown Award for Superior Teaching (Spring 2018)

Duncan College Distinguished Faculty Associate (2017-2018)

Nominee for Rice University Excellence in Academic Advising award (Spring 2018)

Lovett College Favorite Professor (Spring 2018)

Rice University Scholar Athlete Favorite Professor (Spring 2018)

Will Rice College Favorite Professor (Fall 2017)

Baker College Best Professor (Fall 2017)

Duncan College Distinguished Faculty Associate (2016-2017)

Rice WomenLEAD Distinguished Leader Spotlight (February 2017)

Will Rice College Favorite Professor (Fall 2016)

Duncan College Outstanding Faculty Associate (2015-2016)

Baker College Best Professor (Spring 2016)

Nominee for Rice University Excellence in Academic Advising award (Spring 2015)

Rice University Scholar Athlete favorite professor (Spring 2015)

Duncan College Outstanding Faculty Associate (2013-2014)

Will Rice College Favorite Professor (Spring 2014)

Will Rice College Favorite Professor (Fall 2013)

Undergraduate Student Mentoring

Independent research students (honors students)

Emmaline Drew (2015-2016). Recipient of a Rice University Social Sciences Undergraduate Research Enterprise (SSURE) grant and Distinction in Research and Creative Works for her research investigating the impact of text structure on learning and memory. Currently a cognitive psychology graduate student at Duke University.

Allison Parker (2014-2015). Recipient of Distinction in Research and Creative Works for her project investigating the effects of caffeine consumption on cognitive performance. Currently applying to graduate school for clinical psychology.

Supervised research students

Rachel Drazner (Fall 2017-Spring 2018)

Theresa Cockerham (Spring 2017). Poster presented at the annual Rice Undergraduate Research Symposium: "Metacognition and Study Strategies".

Alan Wang (Spring 2017). Poster presented at the annual Rice Undergraduate Research Symposium: "Racial Differences in Growth Belief Mindsets".

Pedagogical Research Projects

Student Metacognition Across Repeated Tests (SMART; Fall 2016-present)

Psychology Major Assessment (Fall 2016-present)

Evaluation of Student Attitudes Toward Statistics (Spring 2017-Spring 2018)

Consortium for Research on Education and Teaching Excellence (Spring 2017)

Innovative Teaching Methods and Curriculum Development

Quantitative Analysis for the Social Sciences (Summer – Fall 2018)

Student Response System implementation with Dr. David Lane (Spring 2016-Spring 2017)

Undergraduate teaching practicum in Psychology with Dr. Sandra Parsons (Fall 2016)

Early adopter of Canvas Learning Management System

Grant Support

QEP Experiential Inquiry and Research Fund Development and Enhancement Grant (Rice University, 2018-2019) with Drs. Bryan Denny, Phil Kortum, Chase Lesane-Brown, Fred Oswald, and Sandy Parsons: \$30,000

Overcoming STATic Mindset (Rice University Brown Teaching Grant; 2017-2019): \$570.00

QEP Scaffolding Experiential Inquiry and Research into the Curriculum (Rice University; 2017-2018) with Drs. Bryan Denny, Simon Fischer-Baum, Ozge Gurcanli, Phil Kortum, Chase Lesane-Brown, Randi Martin, Fred Oswald, and Sandy Parsons: \$10,000

CREATE: Consortium for Research on Education and Teaching Excellence (Rice University InterDisciplinary Excellence Award, 2017) with Ms. Lydia Musher and Drs. Beth Beason-Abmayr, Amelie Carlton, Kristi Kincaid, Lesa Tran-Lu, and Sandra Parsons: \$73,080 (not funded)

Biobehavioral pathways to cognitive decline: Implications for Alzheimer's disease (National Institutes of Health, 2017) with Drs. Chris Fagundes, Cobi Heijnen, Joseph Kass, Randi Martin, and Fred Oswald: \$3,901,406 (not funded)

Collaborative Research: Increasing Student Engagement in Statistics Classes that Use Student Response Systems (National Science Foundation; 2015). Co-PI with Drs. David Lane, Michelle Hebl, and David Scott (not funded)

Informed Decision Making and Self Control (Marquette University Self, Motivation, and Virtue Project; 2014) with Drs. Edward Cokely, Adam Feltz, Rocio Garcia-Retamero, Yasmina Okan, Niklas Keller, Saima Shazal, Kiruthiga Nandagopal, and Gerd Gigerenzer: not funded

Exploratory/Developmental Research Grant (National Institutes of Health R21; 2010) with Drs. Rachelle Doody and Wenyaw Chan: not funded

Small Grant Program (National Institutes of Health R03; 2010) with Drs. Rachelle Doody and Wenyaw Chan: not funded

Teaching Community Involvement and Mentorship

Founding member of Psychology Department Teaching Interest Group (Spring 2017-present)

Inaugural member of Educational Research Action Team (Spring 2019-present)

Center for Teaching Excellence Reading group participant (Spring 2019)

BioSciences Quality Enhancement Plan collaborator (Fall 2018)

Center for Teaching Excellence reading group participant (Fall 2018)

Center for Teaching Excellence Faculty Owl Days participant (Fall 2018)

Center for Teaching Excellence Brown Teaching grant workshop (Spring 2018)

Center for Teaching Excellence reading group participant (Spring 2017)

Center for Teaching Excellence Faculty Owl Days participant (Fall 2016)

Teaching mentor to incoming faculty member (Spring 2013)

Sponsor for student-taught courses

COLL “How to be happy” Zelia Rosenweig (Spring 2014)

COLL “Knits and Pieces” Gabrielle Lencioni (Fall 2017, Spring 2018, Fall 2018, Spring 2019)

COLL “Survivor” (Spring 2019)

Conference and lecture participation

CTE Symposium on Teaching and Learning: “Reframing the Lecture as a Pedagogy of Engagement” (January 2019)

Presenter at CTE What’s new in research on Teaching and Learning: “Teaching and Learning Research at Rice” (September 2018)

CTE Workshop: “Inquiry-based learning through collaborative group work” (January 2018)

CTE Symposium on Teaching and Learning: “Why won’t they talk: Using discussion to facilitate learning” (January 2018)

CTE What’s new in research on Teaching and Learning: “Motivation and Learning in the Context of Grades.” (October 2017)

CTE What’s new in research on Teaching and Learning: “Reflection on System Dynamics Principles Improves Student Performance in Labs with the Haptic Paddle” (September 2017)

Texas Association of Advisors for the Health Professions (February 2017)

CTE Treybig Teaching and Innovation Lecture: “What are my students thinking? Using multiple modes of assessment to identify and improve student conceptual understanding” (March 2017)

CTE: What’s new in research on Teaching and Learning: “Challenging the Biased Brain”(April 2017)

Service to the Psychology Department

Undergraduate Committee member (Fall 2011-present)

Psychology major advisor (Fall 2011-present)

Psi Chi co-sponsor (Fall 2016-present)

Undergraduate research liaison to Texas Medical Center (Fall 2011-Fall 2016, Fall 2017-present)

Service to the School of Social Sciences

Cognitive Sciences major advisor (Fall 2017-present)

Rice Catalyst panelist (Fall 2017)

Service to Rice University

Wiess College Resident Associate (Fall 2018-present)
Vice-President of *Beta of Texas*, Rice's University's chapter of Phi Beta Kappa (Fall 2018-present)
Faculty Senate Working Group on Advising (Spring 2018-present)
Office of Academic Advising Health Professions Advising Committee member (Spring 2017-present)
National Alzheimer's Buddies Rice chapter sponsor (Fall 2017-present)
Office of Academic Advising Divisional Advisor discussion panel (Fall 2018, Fall 2017)
Duncan College Social Sciences Divisional Advisor (Fall 2014-Spring 2018)
Duncan College Associate (Spring 2013-Spring 2018)
Study abroad photo contest judge (Spring 2016, Spring 2019)
Final project judge for CHEM178: Chemistry of Cooking (Fall 2017, Fall 2016)
Social sciences presenter for Peer Academic Advising O-week training (Fall 2015, Fall 2017)
Pancakes for Parkinson's Celebrity Pancake Flipper (Spring 2017, Spring 2018, Spring 2019)
Duncan College Industry Night participant (Fall 2016)
Duncan Undergraduate Research Symposium judge (Spring 2016)
Center for Career Development graduate school panelist (Spring 2016)
Office of Academic Advising O-week video participant (Summer 2015)
Rice Education of the Future Student Association task force faculty participant (Fall 2014)
O-week Common Reading Facilitator (Fall 2013)

Professional Service

Ad-hoc Reviewer: *Emotion; Memory and Cognition; Journal of Experimental Psychology: Learning, Memory, and Cognition; Cognition and Emotion*
Textbook reviewer: Statistics for the Social Sciences (Spring 2019)
Textbook review panel: Fundamentals of Cognition 3rd edition (Spring 2017)
Southwestern Psychological Association travel grant judge (Spring 2017)
Psi Chi abstract reviewer (Fall 2016, Fall 2017)
SAGE textbook proposal reviewer (Spring 2014)

Honors and Fellowships

University Fellowship (2007-2009), Florida State University
College Teaching Fellowship (2005-2006), Florida State University
Phi Beta Kappa, inducted 2004
Golden Key National Honor Society, inducted 2003
National Society of Collegiate Scholars, inducted 2002
Alpha Lambda Delta Honor Society, inducted 2002
Trinity University Scholar (2002-2004)

Professional Affiliations

Lead Affiliate for RiskLiteracy Texas (www.riskliteracy.org)
Women in Cognitive Science
International Association for Metacognition

Peer-Reviewed Publications

Lian, F. Chan, W., Ping-Jen, C., **Zimmerman, C.A.**, Waring, S. C., & Doody, R. S. (2016). Cognitively-related basic activities of daily living impairment greatly increases the risk of death in Alzheimer's disease. PLoS ONE.

Zimmerman, C. A., & Kelley, C. M. (2010). "I'll remember this!" Effects of emotionality on memory predictions versus memory performance. *Journal of Memory and Language*, 62, 240-253.

Delaney, P., Sahakyan, L., Kelley, C. M., & **Zimmerman, C. A.** (2010). Remembering to forget: The amnesic effect of daydreaming. *Psychological Science*, 21, 1036-1042.

Invited Publications

Zimmerman, C. A., & Doody, R. S. Memantine in mild Alzheimer's Disease. Comment on Schneider, L.S., Dagerman, K. S., Higgins, J. P., & McShane, R. (2011). Lack of evidence for the efficacy of memantine in mild Alzheimer Disease. *Archives of Neurology*, 68(8), 991-998. *Alzheimer Research Forum*. May 12, 2011. Available at <http://tinyurl.com/memantineAD>

Presentations

Zimmerman, C. A., & Kelley, C. M. (2009, November). *Linking emotional items: When is the whole less than the sum of its parts?* Talk presented at the annual meeting of the Psychonomics Society, Boston, MA.

Delaney, P. F., Sahakyan, L., Kelley, C. M., & **Zimmerman, C. A.** (2009, November). *When minds wander to distant places and times, we can forget the present.* Talk presented at the annual meeting of the Psychonomics Society, Boston, MA.

Kelley, C. M., **Zimmerman, C. A.**, Delaney, P. F., & Sahakyan, L. (2007, November). *Does traveling backward in time induce forgetting of the present?* Poster presented at the annual meeting of the Psychonomics Society, Long Beach, CA.

Zimmerman, C. A., & Kelley, C. M. (2006, November). *When metacognition meets emotion: Predicting memory for emotional materials.* Poster presented at the annual meeting of the Psychonomics Society, Houston, TX.

Hertel, P. T., **Zimmerman, C. A.**, & Grider, R. (2006, November). *Recognition of emotion words: A result of processing fluency?* Poster presented at the annual meeting of the Psychonomics Society, Houston, TX.

Guest Lectures and Invited Talks

“Emotion and memory”, Foundations of Cognitive Psychology graduate seminar (Spring 2018, Spring 2017), Rice University.

“What’s New in Research on Teaching and Learning”, Rice University Center for Teaching Excellence (Fall 2018)

“The Power of Statistics”, Rice University Industrial/Organizational Psychology Brown Bag (Spring 2017)

“Alzheimer’s disease”, Neuropsychology of Language and Memory seminar (Fall 2015), Rice University.