

Eva Dicker

CURRICULUM VITAE

Education

Rice University **Houston, TX**
Ph.D. in Psychological Sciences September 2023

Focus: Cognitive and Affective Neuroscience
Health Psychology and Behavioral Medicine Research
Advisors: Dr. Bryan Denny and Dr. Stephanie Leal

Rice University **Houston, TX**
M.A. in Psychological Sciences May 2022

Focus: Cognitive and Affective Neuroscience
Health Psychology and Behavioral Medicine Research
Advisors: Dr. Bryan Denny and Dr. Stephanie Leal

University of California, Berkeley **Berkeley, CA**
B.A. in Psychology, Minor in English May 2018

Certificates

Graduate Certificate for Teaching and Learning Fall 2022
Center for Teaching Excellence, Rice University

Trauma Informed Approaches to Teaching Fall 2017
Peer Health Exchange, UC Berkeley

Research Grants

NIH National Research Service Award Fellowship (F31) May 2023 – May 2025

National Institute of Aging

Title: Inflammatory mechanisms underlying the association between emotion polyregulation and depression in spousal Alzheimer's disease and Alzheimer's disease related dementia caregivers

Impact score: 30; NIA Funding Line for FY 2023: 40; Status: Recommended for funding, but declined

Dissertation Research Improvement Grant December 2022

Rice University School of Social Sciences Research Institute

This award supports dissertation research projects in the School of Social Sciences. \$5000 award.

Psychological Sciences Research Grant March 2022

American Psychological Association of Graduate Students

This grant funds graduate students conducting innovative psychological science research. \$1000 award.

Fellowships and Honors

Society for Affective Science Best Poster Spring 2023
Best poster presented at the Annual Society for Affective Science Conference.

Society for Affective Science Abstract Selected for Publication Winner Spring 2023
Conference submission selected as a highly-ranked abstract to be published in *Affective Science*.

Center for Teaching Excellence Graduate Fellowship

2021 – 2022

Center for Teaching Excellence, Rice University

Awarded to Rice graduate students who demonstrated outstanding achievement in teaching. \$1000 award.

Society for Affective Science Abstract Selected for Publication Winner

Spring 2021

Conference submission selected as a highly-ranked abstract to be published in *Affective Science*.

Publications

* Indicates equal author contribution

Peer Reviewed Publications

1. Moncada-Jiménez, J., **Dicker, E. E.**, Chacón-Araya, Y., Peralta-Brenes, M., Briceño-Torres, J.M., Villarreal-Ángeles, M., Salazar-Villanea, M., & Johnson, D. K. (in press). Exploring handgrip strength as a cross-cultural proxy of body composition and upper body strength in older adults from Costa Rica and Kansas. *Journal of Cross-Cultural Gerontology*.
2. **Dicker, E. E.***, Goodson, P. *, Denny, B. T. “Neuroscience of Emotion Regulation.” *Oxford Bibliographies* in “Psychology”. Ed. Dovigi, M. New York: Oxford University Press, February 2023. DOI: 10.1093/OBO/9780199828340-0309
3. Brown, R. L., Chen, M. A. Paoletti, J., **Dicker, E. E.**, Wu, E. L., LeRoy, A. S., Majd, M., Fagundes, C. P. (2022). Emotion regulation, heart rate variability, and psychological wellbeing among older adults. *Frontiers in Psychology*, 3284.
4. **Dicker, E. E.**, Jones, J. S., & Denny, B. T. (2022). Psychological distancing usage uniquely predicts reduced perceived stress during the COVID-19 pandemic. *Frontiers in psychology*, 13.

Manuscripts Under Review and Revision

1. Hayes, B. K., Harikumar, A., Ferguson, L., **Dicker, E. E.**, Denny, B. T., Leal, S. L. (in revision). Emotion regulation reduces negativity bias and enhances mnemonic discrimination in depression. *Neurobiology of Learning and Memory*.
2. Denny, B. T., Lopez, R. B.*, Jungles, M.*, **Dicker, E. E.***, Goodson, P.*, Chavez, J.*, Jones, J. S.* (in revision). Unpacking cognitive reappraisal: A meta-analysis of neuroimaging studies of psychological distancing and reinterpretation. *Social Cognitive and Affective Neuroscience*.
3. Denny, B. T., Lopez, R. B.*, Wu, E. L.*, **Dicker, E. E.***, Goodson, P.*, Jungles, M.*, Fan, J., Schulz, K., Koenigsberg, H. W. (under review). Longitudinal training in cognitive reappraisal enhances emotion regulation success in borderline personality disorder patients: evidence from self-reported negative affect and whole brain pattern expression. *Biological Psychiatry*.

Manuscripts In Preparation

1. **Dicker, E. E.**, Jones, J. S., Kunik, M. E., & Denny, B. T. (in prep). Emotion regulation strategies to improve outcomes in caregivers of people with Alzheimer’s disease and related dementias: A systematic review.
2. **Dicker, E. E.**, Brown, R. L., Denny, B. T., Fagundes, C. P. (in prep). Cognitive reappraisal and expressive suppression frequency predict differential changes in grief symptomology over time in bereaved spouses.
3. **Dicker, E. E.**, Wu, E. L., Fagundes, C. P. (in prep). A theoretical model linking perceived social isolation to Alzheimer’s Disease and related dementias.

Other Publications

1. Top Ranked Abstracts from the 2023 Annual Meeting of the Society for Affective Science. (in press). *Affective Science*.
2. Goodson, P.*, **Dicker, E. E.***, Denny, B. T., Fagundes, C. P. (in press). Theoretical frameworks: Emotion regulation approaches. *Mental Health and Lifestyle Medicine*.
3. Top Ranked Abstracts from the 2021 Annual Meeting of the Society for Affective Science. (2022), *Affective Science*. 2022 Jan 21:1-11. doi: 10.1007/s42761-021-00066-6.
4. **Dicker, E. E.** (2018). N. Owings-Fonner (Ed.) Research roundup: Healthy aging and the positivity effect. *APA Practice Update*, 16(2).
5. **Dicker, E. E.** (2018). N. Owings-Fonner (Ed.) Research roundup: Complications of comorbid PTSD and Opioid Use Disorder. *APA Practice Update*, 15(6).
6. **Dicker, E. E.**, & Bufka, L. (2017) Research roundup: Marijuana use and cognitive processes. *APA Practice Update*, 14(16).
7. **Dicker, E. E.**, & Bufka, L. (2017). Research roundup: Using computers to treat schizophrenia. *APA Practice Update*, 14(14).

Poster Presentations

1. **Dicker, E. E.**, Brown, R. L., Denny, B. T., Fagundes, C. P. (March, 2023). Cognitive reappraisal and expressive suppression frequency predict differential changes in grief symptomology over time in bereaved spouses. Poster presented at Society for Affective Science 2023 Annual Conference.
2. Denny, B. T., Lopez, R. B., Jungles, M., **Dicker, E. E.**, Goodson, P., Chavez, J., Jones, J. S. (November, 2022). Unpacking cognitive reappraisal: A meta-analysis of neuroimaging studies of psychological distancing and reinterpretation. Poster presented at the Society for Neuroscience's 2022 conference.
3. **Dicker, E. E.**, Jones, J. S., & Denny, B. T. (December, 2021). Psychological distancing usage uniquely predicts reduced perceived stress during the COVID-19 pandemic. Poster presented at the University of Texas Health 27th Annual Neuroscience Poster Session.
4. **Dicker, E. E.**, Leal, L. S., Fagundes, C. P., & Denny, B. T. (November, 2021). Exploring the interaction between emotion regulation and inflammation on changes in episodic memory in older adults. Poster presented at the Society for Neuroscience's virtual Neuroscience 2021 conference.
5. **Dicker, E. E.**, Jones, J. S., & Denny, B. T. (September, 2021). Psychological distancing usage uniquely predicts reduced perceived stress during the COVID-19 pandemic. Poster presented at the 3rd Annual GCC Mental Health Research Symposium.
6. **Dicker, E. E.**, Jones, J. S., & Denny, B. T. (April, 2021). Psychological distancing usage uniquely predicts reduced perceived stress during the COVID-19 pandemic. Poster presented at the annual meeting of the Association for Psychological Science.
7. **Dicker, E. E.**, Jones, J. S., & Denny, B. T. (May, 2021). Psychological distancing usage uniquely predicts reduced perceived stress during the COVID-19 pandemic. Poster presented at the annual meeting of the Social and Affective Neuroscience Society.
8. **Dicker, E. E.**, Jones, J. S., & Denny, B. T. (May, 2021). Psychological distancing usage uniquely predicts reduced perceived stress during the COVID-19 pandemic. Poster presented at the annual meeting of the Social for Affective Science.
9. Johnson, D. K., Ivanisevic, M., McDowd, J., Cahn-Weiner, D., & **Dicker, E. E.** (August, 2018). Model of self-regulation and health in older adults. Poster presented at the 126th annual convention of the American Psychological Association, San Francisco, California.

Professional Talks

1. **Dicker, E. E.** (May 2, 2023). PsycGSA Student Teaching Panel. Organized and moderated a panel giving teaching and career advice to Rice psychology graduate students. Rice University, Houston, TX.
2. **Dicker, E. E.** (March 21, 2022). Exploring the interaction between emotion regulation and inflammation on changes in episodic memory in older adults. Served as an internal invited speaker for the Cognitive, Health and Affective Science Weekly Seminar. Rice University, Houston, TX.
3. **Dicker, E. E.** (July 29, 2021). Graduate student panel for NSF Research Experience for Undergraduates Program. Served as an internal invited speaker for a panel giving research and career advice to aspiring young academics. Rice University, Houston, TX.
4. **Dicker, E. E.** (April 5, 2021). Psychological distancing usage uniquely predicts reduced perceived stress during the COVID-19 pandemic. Served as an internal invited speaker for the Health and Affective Science Weekly Seminar. Rice University, Houston, TX.
5. **Dicker, E. E.** (August 24, 2020). Examining emotion regulation strategy choice during COVID-19. Served as an internal invited speaker for the Health and Affective Science Weekly Seminar. Rice University, Houston, TX.

Research Experience

Graduate Researcher

Houston, TX

Translational Social Cognitive and Affective Neuroscience Lab

August 2019 – Present

Leal Neuroscience of Memory and Aging Lab

Dept. of Psychological Science, Rice University

Advisors: Dr. Bryan Denny and Dr. Stephanie Leal

Exploring emotion polyregulation, specifically blends of cognitive reappraisal tactics, as a means of lowering negative affect. Implementing emotion regulation interventions with dementia caregivers, bereaved spouses, and those experiencing COVID-19 pandemic-related stress. Training in psychoneuroimmunology methods.

Assistant Clinical Research Coordinator

Walnut Creek, CA

Alzheimer's Disease Center in the East Bay

May 2018 – June 2019

University of California, Davis

Advisors: Dr. Dan Mungas and Dr. David K. Johnson

Administered clinical evaluations and neuropsychological batteries to healthy and cognitively impaired older adults as a part of the NIA-funded R01 Kaiser Healthy Aging and Diverse Life Experiences (KHANDLE) Study. Assisted with maintaining IRB submissions, renewals and amendments.

Research Assistant

Berkeley, CA

Calm Program

October 2016 – May 2018

Dept. of Psychology, UC Berkeley

Advisor: Dr. Sheri Johnson

Utilized eye-tracking and psychophysiology measures to assess the effect of stress on approach and response inhibition across a transdiagnostic population. Conducted phone interviews with clinical participants in mobile app intervention. Trained and supervised research assistants.

Research and Government Relations Intern

Washington, D.C.

American Psychological Association, Practice Directorate

June 2017 – August 2017

Advisor: Dr. Lynn Bufka

Accumulated empirical data to the APA Clinical Practice Guideline on PTSD. Wrote literature reviews on recent empirical work relevant to psychologists for *Practice Update*. Authored the speech presenting Rep.

Yvette Clarke (D-NY) at the 125th APA Convention. Coordinated with Federal Action Committees in support of the Medicare Mental Health Act (H.R. 1173/S. 448).

Research Assistant

Youth Mental Health Lab
University College Dublin, Ireland
Advisor: Dr. Barbara Dooley

Dublin, Ireland
May 2016 – August 2016

Composed the ethics proposal for an international, cross-cultural study on body image and its effects in education in emerging adults. Designed the primary survey and consent forms, translated for use in 9 countries. Conducted a systematic review of body image measures, presented at the 2016 Appearance Matters Conference.

Research Assistant

Lab for Comparative Neurobiology of Monogamy
Dept. of Psychology, UC Davis
Advisor: Dr. Karen Bales

Davis, CA
May 2015 – February 2016

Executed behavioral experiments on prairie voles concerned with the intergenerational transmission of alloparental behavior and oxytocin and vasopressin receptor distribution. Trained research assistants in animal husbandry, behavioral testing and video-coding.

Research Assistant

Dept. of Pharmacology, UC Davis
Advisor: Dr. Julie Bossuyt

Davis, CA
February 2013 – June 2013

Drafted designs for mutated primers to determine the cellular and molecular mechanisms of a sodium ion pump involved in cardiac plasticity and disease.

Teaching Experience

Instructor of Record

Course: Introduction to Cognitive Psychology (PSYC 203)

Houston, TX
Fall 2022

Dept. of Psychological Science, Rice University

Designed syllabus, lesson plan, assignments, and exams for course. Supervised by the Rice University Department of Psychological Science.

Co-Instructor of Record

Course: Introduction to Psychology (PSYC 101)

Houston, TX
Summer 2022

Dept. of Psychological Science, Rice University

Designed syllabus, lesson plan, and exams for course. Led 50% of all lectures. Supervised by the Rice University Department of Psychological Science.

Teaching Demonstration

Lesson: Personality Assessments

Houston, TX
April 15, 2022

Dept. of Psychological Science, Rice University

Led a 30 minute interactive lecture in a small class of Rice University graduate students across multiple departments. Supervised by the Center for Teaching Excellence.

Guest Lecture

Course: Introduction to Cognitive Psychology

Houston, TX
April 11, 2022

Dept. of Psychological Science, Rice University

Led a 50 minute interactive lecture in a small class of Rice University undergraduate students.

Guest Lecture

Course: Psychology Research Methods

Dept. of Psychological Science, Rice University

Led a 50 minute interactive lecture in a small class of Rice University undergraduate students.

Houston, TX

March 31, 2022

Teaching Demonstration

Lesson: Emotion Regulation and Health

Dept. of Psychological Science, Rice University

Led a 30 minute interactive lecture in a small class of Rice University graduate students across multiple departments. Supervised by the Center for Teaching Excellence.

Houston, TX

March 4, 2022

Teaching Demonstration

Lesson: The Science of Emotion

Dept. of Psychological Science, Rice University

Led a 30 minute interactive lecture in a small class of Rice University graduate students across multiple departments. Supervised by the Center for Teaching Excellence.

Houston, TX

January 21, 2022

Teaching Assistant

Course: Cognitive Neuroscience

Dept. of Psychological Science, Rice University

Manage and administer assignments and exam grading. Designed and graded midterm and final exams and graded exams. Led two course review lectures to prepare students for the midterm and final exams.

Houston, TX

Spring 2022

Graduate Workshop

Title: Fostering Student Motivation Inside and Out

Center for Teaching Excellence, Rice University

Designed and ran a 90 minute interactive workshop educating aspiring graduate educators in empirically supported best teaching practices. Supervised by the Center for Teaching Excellence.

Houston, TX

November 9, 2021

Teaching Assistant

Course: Social and Affective Neuroscience

Dept. of Psychological Science, Rice University

Held weekly office hours. Designed and graded midterm and final exams. Led two lectures reviewing the class content to prepare students for the midterm and final exams.

Houston, TX

Spring 2021

Discussion Facilitator

Course: My Journey

Alpha Chi Omega, Pi Chapter, UC Berkeley

Designed and instructed a monthly seminar on feminist issues to 30-45 college women, directing discussions connecting the female experience to leadership, health, and activism.

Berkeley, CA

September 2016 – September 2017

Peer Health Educator

Course: Mental Health and Advocacy

Peer Health Exchange, UC Berkeley

Taught an hour-long course using PHE curriculum to freshman in Title I high schools in the East Bay on unbiased mental health resources, health advocacy and substance use treatment.

Berkeley, CA

August 2016 – December 2016

Leadership

PsycGSA Officer: Professional Development Chair

Houston, TX

Dept. of Psychological Sciences, Rice University

May 2022 – Present

As an elected officer, I served as a student liaison to all department colloquia, coordinated department-wide professional development, and facilitated community outreach opportunities for the department.

PsycGSA Officer: Social Outreach Coordinator

Houston, TX

Dept. of Psychological Sciences, Rice University

September 2020 – May 2021

As an elected officer of the inaugural Psychological Sciences Graduate Student Association, I coordinated all social events in the department, coordinated events connecting departments across Rice University, oversaw recruitment events for incoming graduate students, and established a graduate mentorship program.

Mentorship

Graduate Mentor

January 2022 – June 2022

T-SCAN Lab

Advised student at Rice University in the secondary analysis research project, resulting in a undergraduate conference paper.

Mentored Student's Poster Presentation

Islam, R., **Dicker, E. E.**, & Denny, B. T. (May, 2022). Enhancing emotion regulation training during the COVID-19 pandemic. Poster presented at the Rice Undergraduate Research Symposium at Rice University.

Graduate Mentor

October 2021 – May 2022

AP Capstone Diploma Program

Advised student at Seven Lakes High School to design, plan, and implement a yearlong investigation to address a research question, resulting in a research paper and oral defense.

Mentored Student's Poster Presentation

Tsang, F., **Dicker, E. E.** (April, 2022). Long-term effects of Hurricane Katrina on mental health across socioeconomic status. Poster presented at the AP Capstone Poster Symposium at Seven Lakes High School.

Graduate Mentor

October 2021 – May 2022

AP Capstone Diploma Program

Advised student at Carnegie Vanguard High School to design, plan, and implement a yearlong investigation to address a research question, resulting in a research paper and oral defense.

Mentored Student's Poster Presentation

Rodriguez, G., **Dicker, E. E.**, & Goodman, P. (April, 2022). Scream: The film that changed the slasher genre. Poster presented at the AP Capstone Poster Symposium at Carnegie Vanguard High School.

Graduate Mentor

Summer 2021

NIH Summer Internship Program (SIP)

Rice Summer Undergraduate Research Fellowship (SURF)

Advised high achieving Rice University undergraduate student one-on-one to develop and execute an independent research project and poster presentation.

Mentored Student's Poster Presentations

- Ayodeji, M., **Dicker, E. E.**, & Denny, B. T. (August, 2021). Longitudinal effects of a cognitive reappraisal intervention on COVID-19-related stress. Poster presented at the annual meeting of the NIH Summer Poster Day.
- Ayodeji, M., **Dicker, E. E.**, & Denny, B. T. (July, 2021). Longitudinal effects of a cognitive reappraisal intervention on COVID-19-related stress. Poster presented at the Rice University SURF Symposium.

Graduate Mentor

Summer 2021

NSF Research Experiences for Undergraduates (REU) Program

Advised REU undergraduate student one-on-one to develop and execute an independent research project and poster presentation.

Mentored Student's Poster Presentation

- Dearborne, T., **Dicker, E. E.**, & Denny, B. T. (July, 2021). Effects of a cognitive reappraisal intervention on COVID-19-related stress. Poster presented at the NSF REU Poster Symposium at Rice University.

Professional Activities

Institutional Service

Rice Undergraduate Research (RURS) Symposium Judge

Houston, TX

Dept. of Psychological Sciences, Rice University

May 2021, 2022

Assess students skill within a developmental framework and evaluated Rice University undergraduate research poster presentations.

Health and Affective Science Seminar Coordinator

Houston, TX

Dept. of Psychological Sciences, Rice University

Spring 2020, Fall 2022

Contacted, organized, and coordinated each semester of speakers for the Cognitive and Affective Health Research Interest Group at Rice University.

Senior Editor

Berkeley, CA

Undergraduate Journal of Psychology at Berkeley

September 2017 – May 2019

UC Berkeley

Choose the research to be featured in the 11th and 12th volume as member of the selection team and edited selected manuscripts.

Articles Edited

- Cheung, A. (2019). **E. E. Dicker** (Ed.). Verbal working memory capacity under induced emotional states: Does emotion influence the memory for words? *The Berkeley Undergraduate Journal of Psychology*, 12.
- John, R. A., & Duval, E. R. (2018). **E. E. Dicker** (Ed.). The Relationship Between Cumulative Stress and Pattern Separation and Pattern Completion Performance. *The Berkeley Undergraduate Journal of Psychology*, 11, 26-35.

Reviewer

Social Cognitive and Affective Neuroscience

American Journal of Geriatric Psychiatry

Science Outreach

Periodic Contributor (APA Practice Update)

Washington, D.C.

Updated 06.14.23

American Psychological Association, Practice Directorate

June 2017 – August 2019

Composed Research Roundups, a literature review of current research of varying topics relevant to psychologists, sent to members of the APA Practice Organization.

Professional Memberships

Society for Affective Science	February 2021 – Present
Social and Affective Neuroscience Society	February 2020 – Present
Association for Psychological Science	November 2019 – Present
American Psychological Association	June 2017 – Present

Skills

Psychoneuroimmunology Methods: fMRI, SPM, NeuroElf, Tobii, HRV

Statistical Software: R, SPSS, JMP, SAS, Jamovi, Matlab,

Project Management: Qualtrics, Prolific, EPrime, Zotero, Microsoft Office, EMR, LavaWeb