

RYAN T. DALEY
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EDUCATION

2017 – Present Boston College, Ph.D. Candidate, Psychology & Neuroscience
Advisor: Elizabeth Kensinger

Dissertation:

Title: Cognitive, Socioemotional, and neural mechanisms associated with age-related differences in first and third person moral judgments

Committee: Hiram Brownell, Liane Young, Angela Gutches

2009 – 2013 Gordon College, B.A., Psychology and Philosophy, *magna cum laude*

HONORS & AWARDS

12/2021 – 06/2021 Diana Jacobs Kalman/AFAR Scholarship for Research in the Biology of Aging

2019 Graduate Research Fellowship Program (NSF) – *Honorable Mention*

FORMAL TRAINING & WORKSHOPS

05/2022 Summer Seminars in Neuroscience and Philosophy Fellowship
Duke University, Durham, NC

05/2021 Learning the CONN Toolbox Course
MGH/MIT/HMS Martinos Center, Boston, MA

10/2020 Connectivity Course: Structural and Functional Brain Connectivity via MRI and fMRI
MGH/MIT/HMS Martinos Center, Boston, MA

10/2017 Functional MRI Visiting Fellowship
MGH/MIT/HMS Martinos Center, Boston, MA

PROFESSIONAL AFFILIATIONS

2021 – 2022 Boston College Consortium for Translational Research on Learning & Memory

2021 – 2022 Society for Affective Science, *Student Member*

2020 – 2022 Psychonomic Society, *Student Member*

2019 – 2022 National Honor Society in Neuroscience (Nu Rho Psi), *Student Member*

2019 – 2022 Society for Applied Research in Memory & Cognition, *Student Member*

2019 – 2022 The Scientific Research Honor Society (Sigma Xi), *Student Member*

2016 – 2022 Association for Psychological Science, *Student Member*

2016 – 2022 Cognitive Neuroscience Society, *Student Member*

COMMITTEES & LEADERSHIP

Boston College, 2017 – Present

2018 – 2022	Undergraduate Mentor Program (<i>Graduate Student Advisor</i>)
2017 – 2018	Cognitive Neuroscience Journal Club (<i>Committee Member</i>)

TEACHING

Boston College, 2017 – Present

Courses Taught

Fall 2020, Spring 2021	Introduction to R: Data Cleaning, Analysis & Visualization
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Teaching Assistantships

Fall 2021	Cognitive Neuroscience
Fall 2020	Ethical Controversies in Psychology & Neuroscience
Spring 2020	Social & Emotional Development
Fall 2019	Introduction to Behavioral Statistics and Research
Fall 2018, Spring 2019, 2021	Social Psychology
Spring 2018	Emotion
Fall 2017	Memory in Everyday Life

Guest Lectures

04/2021	Adolescent Social Relationships <i>Course: Social & Emotional Development</i>
10/2019	Introduction to ANOVA <i>Course: Introduction to Behavioral Statistics & Research</i>
09/2019	Variability <i>Course: Introduction to Behavioral Statistics & Research</i>
08/2019	Research Ethics: Human Subjects <i>Course: Research Practicum</i>
11/2018	Aging & Emotion <i>Course: Thinking About Feeling</i>
10/2018	Emotion <i>Course: Social Psychology</i>
09/2017	Amnesia & Dementia <i>Course: Memory in Everyday Life</i>

(Outside Boston College, 2011 – Present)

03/2021	Data Cleaning, Visualization & Analysis in R
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Course: Advanced Research Design and Statistics II
School: Northeastern University

- 09/2019 Memory & Eyewitness Identification
Course: Wrongful Convictions
School: Boston College Law School
- 02/2014 Theory of Mind Decay: Emotional Perception Deficits in Alzheimer's Disease Patients
Course: Brains, Minds and Persons
School: Gordon College

MENTORING

Boston College, 2017 – Present

Panels and Workshops

- 09/2021 – 12/2021 Application Mentorship Program (*volunteer*)
Description: Mentored student from Penn State University as she navigated the graduate school application process
- 09/2021 Mental Health Panel (*Invited Panelist*)
Description: First year Graduate Student Professional Development
- 09/2021 Adjusting to Graduate School and Academia (*Invited Panelist*)
Description: First Year Graduate Student Professional Development
- 11/2019 B.C. Splash (*Volunteer Lecturer*)
Description: Designed and provided an interactive lesson on the science of emotion to middle and high school students
- 02/2018, 02/2019 Psi Chi CV Workshop
Description: Assisted undergraduate students with the curation of their resumes and curriculum vitae

(Outside Boston College, 2011 – Present)

- 10/2014 – 10/2020 Alumni Panel (*Invited Panelist*)
Description: Gordon College Psychology Department's Senior Seminar

Research Assistants

- Summer 2021 – Present Valentina Lopez
- Spring 2021 – Present Sylvia Murray
- Spring 2021 – Present Marisa Haller
- Spring 2021 – Present Alexa Rivas
- Spring 2021 – Present Alex Heinlein (*Senior Thesis Student*)
- Fall 2020 – Spring 2021 Jacob Hermann
- Fall 2020 – Spring 2021 Anna Tierney (*Honors Thesis Student*)

JOURNAL REVIEWING (*ad hoc*)

Aging & Mental Health

Behavior Research Methods

Emotion

NeuroImage

PUBLICATIONS (*peer reviewed*)

Journal Articles

Daley, R.T., Cunningham, T.J., & Kensinger, E.A. (*in prep.*). Aging, Memory, and Moral Decision-Making: A COVID-19 study.

Ford, J.H., Kim, S.Y., Kark, S.M., **Daley, R.T.**, Payne, J.D., & Kensinger, E.A. (*accepted*). Distinct stress-related changes in intrinsic amygdala connectivity predict subsequent positive and negative memory performance. *European Journal of Neuroscience*

Clark, E.L., **Daley, R.T.**, Deason, R.G., O'Connor, M.K., Budson, A.E., & DeCaro, R.E. (2022). Cue-utilization in the imagination inflation effect paradigm in older adults with mild cognitive impairment. *Neuropsychology*, 36(4), 297–313. <https://doi.org/10.1037/neu0000801>

Cho, I., **Daley, R.T.**, Cunningham, T.J., Kensinger, E.A., & Gutchess, A. (2022). Aging, empathy, and prosocial behaviors during the COVID-19 pandemic. *Journal of Gerontology: Series B*. <https://doi.org/10.1093/geronb/gbab140>

Daley, R. T., & Kensinger, E. A. (2021). Cognitive decline, socioemotional change, or both? How the science of aging can inform future research on sacrificial moral dilemmas. *Aging, Neuropsychology, and Cognition*, 1-28. <https://doi.org/10.1080/13825585.2021.2019183>

Denis, D., Kim, S.Y., Kark, S.M., **Daley, R.T.**, Alger, S.E., Kensinger, E.A., & Payne, J.D. (2021). Slow oscillation-spindle coupling impairs emotional memory consolidation following stress. *European Journal of Neuroscience*. <https://doi.org/10.1111/ejn.15132>

Bottary, R., Kark, S., **Daley, R.**, Denis, D., Cunningham, T., Payne, J., & Kensinger, E. (2021). Memory for a stressful environment is relatively unaffected by stress reactivity or post-stressor sleep: A preliminary report. *bioRxiv*. <https://doi.org/10.1101/2021.01.28.428506>

Fields, E.C., Bowen, H.J., **Daley, R.T.**, Parisi, K.R., Gutchess, A., & Kensinger, E.A. (2021). An ERP investigation of age differences in the negativity bias for self-relevant and non-self-relevant stimuli. *Neurobiology of Aging*, 103, 1-11. <https://doi.org/10.1016/j.neurobiolaging.2021.02.009>

Daley, R.T., Bowen, H.J., Fields, E.C., Gutchess, A., & Kensinger, E.A. (2020). Age differences in vmPFC functional connectivity during socioemotional content processing. *Social Behavior and Personality: An International Journal*, 48, 1-19. <https://doi.org/10.2224/sbp.9380>

- Daley, R.T.**, Bowen, H.J., Fields, E.C., Parisi, K., Gutchess, A., & Kensinger, E.A. (2020). Neural mechanisms supporting emotional and self-relevant information processing and encoding in older and younger adults. *Social Cognitive and Affective Neuroscience*. <https://doi.org/10.1093/scan/nsaa052>
- Kim, S.Y., Kark, S.K, **Daley, R.T.**, Alger, S.E., Reboucas, D., Kensinger, E.A., & Payne, J.D. (2019). Interactive effects of stress reactivity and REM sleep theta activity on emotional memory formation. *Hippocampus*. doi: 10.1002/hipo.23138
- Bundy, B., **Daley, R.T.**, Clark, E.L., & O'Connor, M.K. (2018). Perceptions of cognitive aging among older veterans. *The Journal of Gerontopsychology and Geriatric Psychiatry*, 31, 185-193. doi: 10.1024/1662-9647/a000188
- Daley, R.T.**, Sugarman, M.A., Shirk, S.D., & O'Connor, M.K. (2018). Spared emotional perception in patients with Alzheimer's disease is associated with negative caregiver outcomes. *Aging and Mental Health* 22(5), 595-602. doi: 10.1080/13607863.2017.1286457
- O'Connor, M.K., Kraft, M.L., **Daley, R.T.**, Sugarman, M.A., Clark, E.L., Scoglio, A.J., & Shirk, S.D. (2018). The Aging Well through Interaction and Scientific Education (AgeWISE) Program. *Clinical Gerontologist*, 41(5), 412-423. doi: 10.1080/07317115.2017.1387212
- Daley, R.T.**, O'Connor, M.K., Shirk, S.D., & Beard, R.L. (2017). 'In this together' or 'Going it alone': Spousal dyad approaches to living with Alzheimer's disease. *Journal of Aging Studies*, 40, 57-63. doi: 10.1016/j.jaging.2017.01.003
- Mueller, L., Kwon, E., Drebing, C.E., O'Connor, A.A., Semiatin, A., Wang, S., **Daley, R.**, & O'Connor, M.K. (2016). Enhanced vocational rehabilitation for veterans with mild traumatic brain injury and mental illness: Pilot study. *Journal of Rehabilitation Research & Development*, 53(3), 307-319. doi: 10.1682/JRRD.2014.10.0231
- Clark, E.L., **Daley, R.T.**, & O'Connor, M.K. (2015). Lifestyle factors and cognitive health in older adults. *National Academy of Neuropsychology Bulletin*, 29(2), 14-17.

Book Chapters

- Kensinger, E.A., & **Daley, R.T.** (submission approved). Affective Neuroscience and Aging. *The Oxford Handbook of Social and Affective Neuroscience*.
- Kensinger, E.A., Ford, J.H., & **Daley, R.T.** (2020). Emotion and memory. In A.H. Gutchess & A.K. Thomas (Eds.), *Handbook of cognitive aging: A life course perspective*. Cambridge, UK: Cambridge University Press. <https://doi.org/10.1017/9781108552684.015>

PRESENTATIONS

Research Talks

- Daley, R.T.** (2021, May). *Age-related differences in memory for moral content?* Graduate Research Day, Department of Psychology and Neuroscience, Boston College, Chestnut Hill, MA.
- Daley, R.T.** (2020, September). *Age differences in the cognitive and neural representations of socioemotional content*. Invited speaker, Harvard Intergroup Neuroscience Lab Meeting, Harvard University, Cambridge, MA.
- Daley, R.T.** (2020, June). *Aging, relationships, wisdom*. Intergenerational Science Social, Cognitive and Affective Neuroscience Laboratory, Boston College, Chestnut Hill, MA.

Daley, R.T. (2020, May). *Age differences in vmPFC functional connectivity during socioemotional content processing*. Graduate Research Day, Department of Psychology and Neuroscience, Boston College, Chestnut Hill, MA.

Daley, R.T. (2017, March). *Sleep: An overview*. Invited speaker, Cognitive Rehabilitation Seminar, Psychology Department, Edith Nourse Rogers Memorial Veterans Hospital. Bedford, MA.

Beard, R.L., & **Daley, R.T.** (2015, March). *Marital status as social capital: How couples manage memory loss together and separately*. Paper presented at the Crossing Borders, 2015 Annual Meeting of the Eastern Sociological Society. New York, NY.

Daley, R.T., & Glenney, B. (2011, July). *Transitive preference and animal cognition*. Paper presented at Cognition 2011 Nonhuman Minds: Animal, Artificial or Other Minds, Young Researchers Conference in Cognitive Science. Montreal, QC.

Poster Presentations

Daley, R.T., Kim, M.J., Murray, S., Young, L., & Kensinger, E.A. (2022, March). *Memory for mixed-valence motivations predict moral judgments about others' actions*. Poster presented virtually for the 9th Society for Affective Science Annual Conference.

Daley, R.T., & Kensinger, E.A. (2021, April). *Cognitive decline or motivational shift? Age differences in behavior during moral dilemmas*. Poster presented virtually for the 8th Annual Society for Affective Science Conference.

Daley, R.T., & Kensinger, E.A. (2021, March). *What is judged as morally acceptable? Among older adults, the answer varies by working memory capacity and DMN structure*. Poster presented at the Cognitive Neuroscience Society 2021 Annual Meeting, Virtual.

Fields, E.C., Bowen, H.J., **Daley, R.T.**, Parisi, K.R., Gutchess, A., Kensinger, E.A. (2020, November). *Effects of valence on the ERP subsequent memory effect in younger and older adults*. Poster presented virtually for the Psychonomic Society's 61st Annual Meeting.

Daley, R.T., Bowen, H.J., Fields, E.C., Parisi, K.R., Gutchess, A., & Kensinger, E.A. (Accepted). *Frontal lobe function is associated with processing but not encoding of socioemotional information*. Poster submitted for the 2020 Cognitive Aging Conference, Atlanta, GA. Note: Conference was cancelled.

Daley, R.T., Bowen, H.J., Fields, E.C., Parisi, K.R., Gutchess, A., & Kensinger, E.A. (2020, May). *Age differences in vmPFC functional connectivity during processing of socioemotional information*. Poster presented virtually at the Cognitive Neuroscience Society 2020 Annual Meeting.

Bottary, R.M., Kark, S.M., **Daley, R.T.**, Payne, J.D., Kensinger, E.A. (2020, May). *REM sleep and inferior temporal lobe recapitulation support positive memory retrieval*. Poster presented virtually at the Cognitive Neuroscience Society 2020 Annual Meeting.

Denis, D., Kim, S.Y., Kark, S.M., **Daley, R.T.**, Alger, S.E., Kensinger, E.A., & Payne, J.D. (2020, May). *Slow oscillation-spindle coupling during slow-wave sleep impairs emotional memory consolidation following stress induction*. Poster presented virtually at the Cognitive Neuroscience Society 2020 Annual Meeting.

Ford, J., Kim, S.Y., Kark, S.M., **Daley, R.T.**, Payne, J.D., & Kensinger, E.A. (2020, May). *Effects of stress-related changes in intrinsic connectivity on emotional memory retrieval*. Poster presented virtually at the Cognitive Neuroscience Society 2020 Annual Meeting.

Bottary, R., Kark, S.M., **Daley, R.T.**, Payne, J., & Kensinger, E.A. (2019, October). *REM sleep enhances emotion-relevant recapitulation*. Poster presented at the Society for Neuroscience 2019 meeting, Chicago, IL.

- Frederiks, K.C., Kark, S.M., **Daley, R.**, Payne, J.D., & Kensinger, E.A. (2019, October). *Increased amygdala-frontal resting state functional connectivity is associated with greater heart rate variability and reduced anxiety*. Poster presented at the Society for Neuroscience 2019 meeting, Chicago, IL.
- Daley, R.T.**, Ford, J.H., & Kensinger, E.A. (2019, June). *Do socioemotional learning strategies assist novel smartphone application use more than standard learning strategies in older adults?* Poster presented at the Society for Applied Research in Memory and Cognition XIII meeting, Cape Cod, MA.
- Daley, R.T.**, Bowen, H.J., Fields, E.C., Parisi, K.R. Gutchess, A.H., & Kensinger, E.A. (2019, March). *Older adults' positive memory biases related to neural activity during the encoding of subsequently forgotten negative information*. Poster presented at the Cognitive Neuroscience Society 2019 Annual Meeting, San Francisco, CA.
- Daley, R.T.**, Bowen, H.J., Fields, E.C., Parisi, K.R. Gutchess, A.H., & Kensinger, E.A. (2019, January). *Evidence for age-consistent valence encoding mechanisms despite a behavioral positivity effect*. Poster presented at the 2019 Dallas Aging and Cognition Conference, Dallas, TX.
- Daley, R.T.**, Bowen, H.J., Fields, E.C., Parisi, K.R., Gutchess, A., & Kensinger, E.A. (2018, May). *The effects of self-relevance and emotional valence on memory during divided attention in older and younger adults*. Poster presented at the 30th Association for Psychological Science Annual Convention, San Francisco, CA.
- Fields, E.C., Bowen, H.J., Parisi, K.R., **Daley, R.T.**, Gutchess, A.H., & Kensinger, E.K. (2018, May). *An ERP investigation of changes in the negativity bias with age for self-relevant and non-self-relevant stimuli*. Poster presented at the Social and Affective Neuroscience Society 2018 Annual Meeting, New York, NY.
- Daley, R.T.**, Bowen, H.J., Parisi, K.R., Gutchess, A., & Kensinger, E.K. (2018, May). *The effects of self-referential encoding on memory for emotional and neutral information in older and younger adults*. Poster presented at the 2018 Cognitive Aging Conference, Atlanta, GA.
- Daley, R.T.**, Bowen, H.J., Parisi, K.R., Kensinger, E.A., & Gutchess, A.H. (2018, March). *Differential neural activity for self-referentially processed objects in older and younger adults*. Poster presented at the Cognitive Neuroscience Society 2018 Annual Meeting, Boston, MA.
- Kark, S.M., **Daley, R.T.**, & Kensinger, E.A. (2017, November). *Valence-specific interactions between heart rate deceleration during encoding and subsequent memory vividness*. Poster presented at the Society for Neuroscience Annual Meeting, Washington, DC.
- Clark, E.L., **Daley, R.T.**, Sugarman, M.A., Scoglio, A., & O'Connor, M.K. (2017, October). *Differential encoding strategies following cognitive intervention in older adults*. Poster presented at the National Academy of Neuropsychology's Thirty-Seventh Annual Conference, Boston, MA.
- Daley, R.T.**, Sherman, S.M., Kark, S.M., Hampton, O.L., Payne, J.D., & Kensinger, E.A. (2017, June). *The relation between stress and maintaining a sleep schedule*. Poster presented at the Thirty-First Annual Meeting of the Associated Professional Sleep Societies LLC (APSS), Boston, MA.
- Kark, S.M., Sherman, S.M., **Daley, R.T.**, Slotnick, S.D., & Kensinger, E.A. (2017, March). *Neural correlates of true and false memory vividness*. Poster presented at the Cognitive Neuroscience Society's Twenty-Fourth Annual Meeting, San Francisco, CA.
- Sherman, S.M, Kark, S.M., **Daley, R.T.**, Payne, J.D., & Kensinger, E.A. (2017, March). *Stress prior to learning affects resting state functional connectivity and emotional memory retrieval*. Poster presented at the Cognitive Neuroscience Society's Twenty-Fourth Annual Meeting, San Francisco, CA.

Daley, R.T., Clark, E.L., Berman, R., Kwon, E., & O'Connor, M.K. (2016, February). *Age Well Through Interaction and Scientific Education (AgeWISE): A Cognitive Intervention for Older Veterans*. Poster presented at the International Neuropsychological Society's Forty-Fourth Annual Meeting, Boston, MA.

Clark, E.L., Deason, R.G., **Daley, R.T.,** Tat, M.J., Nagel, C., Budson, A.E., & O'Connor, M.K. (2016, February). *Using a mindfulness approach to reduce the imagination inflation effect in older adults*. Poster presented at the International Neuropsychological Society's Forty-Fourth Annual Meeting, Boston, MA.

Daley, R.T., O'Connor, M.K., & Beard, R.L. (2015, February). *Couples' Experiences of Alzheimer's Disease: A Narrative Perspective*. Poster presented at the Massachusetts Alzheimer's Disease Research Center, Boston University Alzheimer's Disease Research Center, Harvard NeuroDiscovery Center, MGH Neurological Clinical Research Institute Twenty-Seventh Annual Scientific Poster Symposium, Boston, MA.

Daley, R.T., & O'Connor, M.K. (2014, February). *Emotional Perception in Alzheimer's Disease: Contributions to the Caregiving Experience*. Poster chosen to present at the International Neuropsychological Society's Forty-Second Annual Meeting, Seattle, WA.

POPULAR WRITING

Daley, R.T., Ford, J.H., Kensinger, E.A. (2021, August 26). How Gist Memory Helps Us Plan for the Future. *Achievements of the Aging Mind Blog, Psychology Today*.
<https://www.psychologytoday.com/us/blog/achievements-the-aging-mind/202108/how-gist-memory-helps-us-plan-the-future>

Daley, R.T., Ford, J.H., Kensinger, E.A. (2020, October 19). Healthy Heart, Healthy Brain. *Achievements of the Aging Mind Blog, Psychology Today*.
<https://www.psychologytoday.com/us/blog/achievements-the-aging-mind/202010/healthy-heart-healthy-brain>

Daley, R.T., Ford, J.H., Kensinger, E.A. (2020, May 18). Finding Wisdom As we age. *Achievements of the Aging Mind Blog, Psychology Today*.
<https://www.psychologytoday.com/us/blog/achievements-the-aging-mind/202005/finding-wisdom-we-age>

Daley, R.T., Ford, J.H., Kensinger, E.A. (2020, April 15). Growing older and forging quality relationships. *Achievements of the Aging Mind Blog, Psychology Today*.
<https://www.psychologytoday.com/us/blog/achievements-the-aging-mind/202004/growing-older-and-forging-quality-relationships>

ADDITIONAL RESEARCH EXPERIENCE

05/2016 – 07/2017 Laboratory Manager / Research Assistant
Cognitive and Affective Neuroscience Laboratory
Boston College

05/2014 – 05/2016 Health Science Specialist
Neuropsychology Service
ENRM Bedford VA Medical Center

05/2013 – 05/2014 Research Assistant
Boston University Alzheimer's Disease Center
Boston University Medical Center