

Halle R. Dimsdale-Zucker

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 UC Davis Center for Neuroscience
 Davis, CA 95618
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Education

- 2013-current Ph.D. in Cognitive Neuroscience
 Advanced to Candidacy, February 2017
 Supervisor: Dr. Charan Ranganath
 University of California at Davis, CA
- 2015 M.A. in Cognitive Neuroscience
 University of California at Davis, CA
- 2006-2010 B.A. with distinction in Brain, Behavior and Cognitive Sciences and English
 Thesis with High Honors: “Multiple memory systems? Serial position dependent false memory effects”
 University of Michigan, Ann Arbor, MI

Honors and Awards

- 2018 UC Davis Graduate Student Travel Award (\$500)
- 2017 UC Davis Dukes Travel Award (\$400)
11 awards out of 13 applications
- 2016 Don Owings Memorial Award
Best talk at the UC Davis Psychology Department Conference
- 2016 UC Davis Dukes Travel Award (\$750)
7 awards granted out of 22 applications
- 2013 National Science Foundation Graduate Research Fellowship
- 2011 Boston College Research Expense Grant (\$2,000)
Co-written with Dr. Elizabeth A. Kensinger
- 2009 Hellman Honors Award (\$350)
- 2008 Tanner Memorial Award (\$600)

Publications

Jonker, T. R., **Dimsdale-Zucker, H. R.**, Ritchey, M., Clarke, A., & Ranganath, C. (accepted, 2018). Neural reactivation in parietal cortex enhances memory for episodically-linked information. *Proceedings of the National Academy of Sciences*.

Dimsdale-Zucker, H.R. & Ranganath, C. (2018). Representational similarity analyses: A practical guide for functional MRI applications. In Manahan-Vaughan, D. (Ed.), *Handbook of In Vivo Neural Plasticity Techniques: A Systems Neuroscience Approach to the Neural Basis of Memory and Cognition*.

Dimsdale-Zucker, H.R., Flegal, K.E., Atkins, A.S., & Reuter-Lorenz, P.A. (2018). Serial position-dependent false memory effects. *Memory*. DOI: <https://doi.org/10.1080/09658211.2018.1513039>.

Dimsdale-Zucker*, **H.R.** & Nicholas*, J. (2018). Is spatial context privileged in the neural representation of events? *Journal of Neuroscience*, 38(28), 6241-6243. DOI: <https://doi.org/10.1523/JNEUROSCI.0949-18.2018>. *denotes equal contribution

Dimsdale-Zucker, H. R., Ritchey, M., Ekstrom, A. D., Yonelinas, A. P., & Ranganath, C. (2018). CA1 and CA3 differentially support spontaneous retrieval of episodic contexts within human hippocampal subfields. *Nature Communications*, 9, 1-8. DOI: 10.1038/s41467-017-02752-1.

Waring, J.D., **Dimsdale-Zucker, H.R.**, Flannery, S., Budson, A.E., & Kensinger, E.A. (2017). Effects of Mild Cognitive Impairment on Emotional Scene Memory. *Neuropsychologia*. DOI: 10.1016/j.neuropsychologia.2017.01.011.

Krendl, A.C., **Zucker, H.R.**, & Kensinger, E.A. (2016). Examining the effects of emotion regulation on the ERP response to highly negative social stigmas. *Social Neuroscience*. <http://dx.doi.org/10.1080/17470919.2016.1166155>.

Zucker, H. R., & Ranganath, C. (2015). Navigating the human hippocampus without a GPS. *Hippocampus*, 25(6), 697–703. <http://doi.org/10.1002/hipo.22447>

Mickley Steinmetz, K.R., Schmidt, K., **Zucker, H.R.**, & Kensinger, E.A. (2012). The effect of emotional arousal and retention delay on subsequent-memory effects. *Cognitive Neuroscience*, 12(3-4), 150-159.

Presentations

Dimsdale-Zucker, H.R., Kim, K., Barnett, A., Hsieh, L-T., Reagh, Z.M., & Ranganath, C. (2018, November). Relationships between individual electroencephalography and resting state signatures of memory for items and contexts. Society for Neuroscience, San Diego, California.

Dimsdale-Zucker, H.R., Montchal, M.E., Wang, S.-F., Libby, L.A., & Ranganath, C. (2017, November). Different scales for time in the hippocampal subfields. Society for Neuroscience, Washington, D.C.

Dimsdale-Zucker, H.R., Montchal, M.E., Wang, S.-F., Libby, L.A., & Ranganath, C. (2017, January). How are temporal and cognitive contexts represented by hippocampal subfields? Poster presented at Bay Area Memory Meeting, San Francisco, California.

Dimsdale-Zucker, H.R., Montchal, M.E., Wang, S.-F., Libby, L.A., & Ranganath, C. (2016, November). How are temporal and cognitive contexts represented by hippocampal subfields? Poster presented at Society for Neuroscience, San Diego, California.

Zucker, H.R.**, Ritchey, M., Ekstrom, A.D., Yonelinas, A.P., & Ranganath, C. (2016, May). Memory for space and time in the human hippocampus. Talk presented at UC Davis Psychology Department Annual Conference, Davis, California. (*Awarded Don Owings Memorial Prize for Best Talk***)

Zucker, H.R., Ritchey, M., Ekstrom, A.D., Yonelinas, A.P., & Ranganath, C. (2016, May). Memory for space and time in the human hippocampus. Talk presented at Context and Episodic Memory Symposium, Philadelphia, Pennsylvania.

Zucker, H.R., Ritchey, M., Ekstrom, A.D., Yonelinas, A.P., & Ranganath, C. (2015, March). How the MTL represents spatial and temporal contexts: A high-resolution MRI investigation. Poster presented at Cognitive Neuroscience Society, San Francisco, California.

Zucker, H.R. & Kensinger, E.A. (2013, April). How the neural correlates of recognition memory change over brief delays. Poster presented at Cognitive Neuroscience Society, San Francisco, California.

Ford, J.F., Morris, J.A., **Zucker, H.R.** & Kensinger, E.A. (2013, April). Neural correlates of emotional memory retrieval cross the lifespan. Poster presented at Cognitive Neuroscience Society, San Francisco, California.

Waring, J.D., **Zucker, H.R.**, Deason, R.G., Flannery, S., Budson, A.E., & Kensinger, E. A. (2012, October). The effects of mild cognitive impairment on emotional scene memory. Poster presented at Society for Neuroscience, New Orleans, Louisiana.

Mickely Steinmetz, K.R., Schmidt, K., **Zucker, H.R.**, & Kensinger, E.A. (2012, October). Short- and long-range impacts of encoding activity on memory for arousing and non-arousing information. Poster presented at Society for Neuroscience, New Orleans, Louisiana.

Zucker, H.R., Reuter-Lorenz, P.A., & Kensinger, E.A. (2012, June). Aging and false memories: Comparing effects of item-relatedness and list position. Poster presented at Massachusetts Neuropsychological Society, Boston, Massachusetts.

Zucker, H.R., Reuter-Lorenz, P.A., & Kensinger, E.A. (2012, March). Aging and false memories: Comparing effects of item-relatedness and list position. Poster presented at Cognitive Aging Conference, Atlanta, Georgia.

Zucker, H.R. & Kensinger, E.A. (2011, June). Memory for emotional details, how the middle-aged brain fares. Poster presented at Organization for Human Brain Mapping, Quebec City, Canada.

Zucker, H.R., Sabhapathy, S., Walker, S., Drag, L., & Bieliauskas, L., (2010, April). Alcohol and acumen: Effects of alcohol consumption on cognitive functioning. Poster presented at Midwestern Psychological Association, Chicago, Illinois.

Zucker, H.R., Flegal, K.E., Atkins, A.S., & Reuter-Lorenz, P.A. (2010, April). Distinguishing between memory systems: False memories depend on serial position. Poster presented at Cognitive Neuroscience Society, Montreal, Canada.

Weng, S.J., Lee, J.A., Louro, H., **Zucker, H.**, Fulton, C., Risi, S., C. Lord, Monk, C.S. (2008, May). The neural circuitry of social reward in autism spectrum disorders. Poster presented at International Meeting for Autism Research, London.

Research Experience

2013-present: Dynamic Memory Lab (graduate student)

Human subjects research on memory using EEG and fMRI

Department of Psychology, University of California at Davis

Supervisor: Dr. Charan Ranganath

2010-2013: Cognitive and Affective Neuroscience Lab (lab manager)

Human subjects research on memory and emotions in young, middle-aged, and older adults using behavioral and neuroimaging (ERP, fMRI) methods

Department of Psychology, Boston College

Supervisor: Dr. Elizabeth A. Kensinger

2006-2010: Cognitive and Affective Neuropsychology Lab (research assistant 2006-2010; lab manager 2007-2009; honors thesis 2009-2010)

Human subjects research on memory and memory fallibility in young and older adults using behavioral and functional (fMRI) paradigms

Department of Psychology, University of Michigan, Ann Arbor

Supervisor: Dr. Patricia A. Reuter-Lorenz

2008-2009: Veterans Affairs Ann Arbor Healthcare System (research assistant)

Administration of neuropsychological batteries to screen for depression, dementia and other cognitive deficits

Ann Arbor, MI

Supervisor: Dr. Linas Bieliauskas

2008-2010: Altered Brain Function in Chemotherapy for Breast Cancer (research assistant)

Investigating the neural correlates of altered memory and brain function in women with breast cancer

School of Nursing, University of Michigan, Ann Arbor

Supervisor: Dr. Bernadine Cimprich, R.N.

2008: Translational and Developmental Neuroscience Lab (research assistant)

Investigating the neural circuitry of social reward in high-functioning Autism Spectrum Disorder (ASD) adolescents with fMRI

Department of Psychology, University of Michigan, Ann Arbor

Supervisor: Dr. Christopher Monk

Teaching Experience

History of Psychology (UC Davis) Undergraduate level (60 students) Teaching assistant	Spring 2017
Development of Memory (UC Davis) Undergraduate level (62 students) Teaching assistant Guest lecturer	Winter 2017
Fundamentals of Cognitive Neuroimaging (UC Davis) Graduate level (15 students) Guest lecturer	Spring 2016
Event-related potentials: A laboratory methods course (Boston College) Undergraduate level (15 students) Laboratory teaching assistant <i>Gave lectures, supervised in-class labs, generated and graded exams</i>	Winter 2012
Memory in Everyday Life (Boston College) Undergraduate level (70-120 students depending on semester) Writing tutor <i>Held office hours and assisted with writing of weekly response papers and term paper</i> Guest lecturer	Fall 2010, 2011, 2012 Fall 2011

Mentorship and Service

2015-2018	UC Davis Curriculum Committee, Graduate student representative
2014-2015	Sacramento Valley Association for Women in Science volunteer <i>Treasurer 2015</i>
2013-current	UC Davis Brain Awareness Week volunteer <i>Organizer, 2015</i>
2012-2013	Boston College Brain Awareness Week coordinator
2011-2012	Thesis supervisor: Kelley Durham (Boston College) <i>How stress impacts memory for emotional scenes</i>
2010-2013	APSSC Student Grant Reviewer
2009	University of Michigan Psi Chi Advisory Board

2009

Student representative, University of Michigan
Subject Pool Advisory Committee

Ad hoc reviewer

BMC Psychiatry

eLife

Journal of Cognitive Psychology

NeuroImage

PLOSOne

Trends in Cognitive Sciences

Professional Memberships

2012-present

Society for Neuroscience

2009-present

Association for Psychological Science

2007-present

Cognitive Neuroscience Society

lifetime member

Psi Chi Psychology Honors Society

lifetime member

National Society of Collegiate Scholars