

# **Jesse Rissman, Ph.D.**

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## **ACADEMIC APPOINTMENTS**

- July 2011- **University of California, Los Angeles** (Los Angeles, CA)  
Assistant Professor, Dept. of Psychology  
Assistant Professor, Dept. of Psychiatry & Biobehavioral Sciences  
Faculty Member, UCLA Brain Research Institute  
Faculty Member, UCLA Integrative Center for Learning & Memory
- 2007-2011 **Stanford University** (Stanford, CA)  
Postdoctoral Fellow, Dept. of Psychology  
Advisor: Dr. Anthony Wagner

## **EDUCATION**

- 2002-2007 **University of California, Berkeley** (Berkeley, CA)  
Ph.D. in Psychology  
Dissertation: *Top-down control processes in visual working memory*  
Advisor: Dr. Mark D'Esposito
- 1998-2000 **Brown University** (Providence, RI)  
Sc.B. in Cognitive Neuroscience, Magna Cum Laude, With Honors  
Honors Thesis: *Orientation-specific holistic processing of human faces*  
Advisor: Dr. William C. Heindel
- 1996-1998 **Bard College at Simon's Rock** (Great Barrington, MA)  
A.A., With Distinction  
Advisor: Dr. David LaBerge

## **HONORS, AWARDS, AND FELLOWSHIPS**

- 2015 Life Sciences Excellence Award in Educational Innovation, UCLA  
2014 Distinguished Teaching Award, UCLA Dept. of Psychology  
2013 DARPA Young Faculty Award  
2013 Short-term Visiting Fellowship for Teaching Neuroethics, Univ. of Pennsylvania  
2013 UCLA Senate Travel Award  
2010 Best Postdoctoral Research Award, Stanford University Postdoctoral Association  
2007-2010 Ruth L. Kirschstein NRSA Individual Postdoctoral Fellowship, NIH/NINDS  
2005-2007 Ruth L. Kirschstein NRSA Individual Predoctoral Fellowship, NIH/NINDS  
2002-2005 National Science Foundation Graduate Research Fellowship  
2000 Albert Arnold Bennett, Class of 1872, Award for Outstanding Thesis Research in Psychology, Brown University

## **RESEARCH GRANTS**

NIH/NIMH R01 (MH101478)

Title: “Multi-Level Assays of Working Memory and Psychopathology”

Role: Co-Investigator and MRI/fMRI Project Leader (PI: Robert Bilder);

Funding term: 4/1/14 – 3/31/19; Amount: \$3,022,343

DARPA Young Faculty Award (D13AP00057)

Title: “Giving classic learning principles a virtual makeover: Neural correlates of effective retrieval of memories formed in a virtual world”

Role: Principal Investigator; Funding term: 8/1/13 – 7/31/16; Amount: \$498,130

UCLA Hellman Fellows Award

Title: “Decoding the retrieval of real-world event memories from brain activity patterns”

Role: Principal Investigator; Funding term: 7/1/13 – 6/30/14; Amount: \$25,000

UCLA Faculty Career Development Award

Title: “Neural signatures of personal event memories and memory-based prediction error”

Role: Principal Investigator; Funding term: 7/1/13 – 6/30/14; Amount: \$7,500

UCLA Council on Research Faculty Research Grant

Title: “Decoding the retrieval of real-world event memories from brain activity patterns”

Role: Principal Investigator; Funding term: 7/1/13 – 6/30/14; Amount: \$10,000

UCLA Faculty Career Development Award

Title: “Tracking the neural reactivation of associative memories with high-resolution fMRI”

Role: Principal Investigator; Funding term: 7/1/12 – 6/30/13; Amount: \$5,000

Scientific Research Network on Decision Neuroscience and Aging

Title: “Neural Mechanisms of Value-Directed Remembering in Young and Older Adults”

Role: Co-Principal Investigator (with Michael Cohen, Alan Castel, & Barbara Knowlton)

Funding term: 11/1/11 – 10/31/13; Amount: \$15,000

MacArthur Foundation Law and Neuroscience Project, Legal Decision Making Network

Title: “Detecting Real-World Autobiographical Memories with fMRI Multi-Voxel Pattern Analysis”

Role: Co-Principal investigator (with Anthony Wagner & Hank Greely)

Funding term: 5/01/10 - 6/30/11; Amount: \$119,943

MacArthur Foundation Law and Neuroscience Project, Legal Decision Making Network

Title: “Detecting Individual Memories: Exploring the Feasibility of Decoding Mnemonic States Based on Distributed Patterns of fMRI Brain Activity”

Role: Co-Principal Investigator (with Anthony Wagner & Hank Greely)

Funding term: 12/01/08 - 11/31/09; Amount: \$43,240

## **PUBLICATIONS**

- Treanor, M., Brown, L.A., **Rissman, J.**, and Craske, M.G. (*under review*) Disrupting reconsolidation as a clinical intervention for threat-based disorders: A critical review.
- Rissman, J.**, Chow, T.E., Reggente, N., and Wagner, A.D. (*in press*) Decoding fMRI signatures of real-world autobiographical memory retrieval. *Journal of Cognitive Neuroscience*.
- Westphal, A.J., Reggente, N., Ito, K., and **Rissman, J.** (*in press*) Shared and distinct contributions of rostrolateral prefrontal cortex to analogical reasoning and episodic memory retrieval. *Human Brain Mapping*.
- Cohen, M.S., **Rissman, J.**, Suthana, N.A., Castel, A.D., and Knowlton, B.J. (2016) Effects of aging on value-directed modulation of semantic network activity during verbal learning. *NeuroImage*, 125, 1046-1062.
- Uncapher, M., Boyd-Meredith, J.T., **Rissman, J.**, and Wagner, A.D. (2015) Goal-directed modulation of neural memory patterns: Implications for fMRI-based memory detection. *Journal of Neuroscience*, 35(22), 8531– 8545.
- Zanto, T.P. and **Rissman, J.** (2015) Top-down suppression. In A.W. Toga (Ed.), *Brain Mapping: An Encyclopedic Reference*, vol. 3, pp. 261-267. Academic Press: Elsevier.
- Cohen, M.S., **Rissman, J.**, Suthana, N.A., Castel, A.D., and Knowlton, B.J. (2014) Value-based modulation of memory encoding involves strategic engagement of fronto-temporal semantic processing regions. *Cognitive, Affective, and Behavioral Neuroscience*. 14, 578–592.
- Waskom, M.L., Kumaran, D., Gordon, A.M., **Rissman, J.**, and Wagner, A.D. (2014) Frontoparietal representations of task context support the flexible control of goal-directed cognition. *Journal of Neuroscience*. 34(32), 10743–10755.
- Gordon, A.M., **Rissman, J.**, Kiani, R., and Wagner, A.D. (2014) Cortical reinstatement mediates the relationship between content-specific encoding activity and subsequent recollection decisions. *Cerebral Cortex*, 24 (12), 3350-3364.
- Rissman, J.** and Wagner, A.D. (2012) Distributed representations in memory: Insights from functional brain imaging. *Annual Review of Psychology*. 63, 101-128.
- Kuhl, B.A., **Rissman, J.**, and Wagner, A.D. (2012) Multi-voxel patterns of visual category representation during episodic encoding are predictive of subsequent memory. *Neuropsychologia*, 50(4), 458-469.
- Kuhl, B.A., **Rissman, J.**, Chun, M.M., and Wagner, A.D. (2011) Fidelity of neural reactivation reveals competition between memories. *Proceedings of the National Academy of Sciences, USA*, 108(14), 5903-5908.
- Rissman, J.**, Greely, H.T., and Wagner, A.D. (2010) Detecting individual memories through the neural decoding of memory states and past experience. *Proceedings of the National Academy of Sciences, USA*, 107(21), 9849-9854.
- Carr, V.A., **Rissman, J.**, and Wagner, A.D. (2010) Imaging the human medial temporal lobe with high-resolution fMRI. *Neuron*, 65(3), 298-308.
- Rissman, J.**, Gazzaley, A., and D’Esposito, M. (2009) The effect of non-visual working memory load on top-down modulation of visual processing. *Neuropsychologia*, 47(7), 1637-1646.
- Rissman, J.**, Gazzaley, A., and D’Esposito, M. (2008) Dynamic adjustments in frontal, hippocampal, and inferior temporal interactions with increasing visual working memory load. *Cerebral Cortex*, 18(7), 1618-1629.

- Gazzaley, A., **Rissman, J.**, Cooney, J.W., Rutman, A.M., Seibert, T.M., Clapp, W., and D'Esposito, M. (2007) Functional interactions between prefrontal and visual association cortex contribute to top-down modulation of visual processing. *Cerebral Cortex*, 17 Suppl 1:i125-135.
- Fiebach, C.J., **Rissman, J.**, and D'Esposito, M. (2006) Modulation of an inferotemporal visual word recognition area during verbal working memory maintenance. *Neuron*, 51(2), 251-261.
- Gazzaley, A., Cooney J.W., **Rissman, J.**, and D'Esposito, M. (2005) Top-down suppression deficit underlies working memory impairment in normal aging. *Nature Neuroscience*, 8(10), 1298-1300.
- Ranganath, C., Heller, A., Cohen, M.X., Brozinsky, C.J., and **Rissman J.** (2005) Functional connectivity with the hippocampus during successful memory formation. *Hippocampus*, 15(8), 997-1005.
- Blumstein, S.E., Myers, E.B., and **Rissman, J.** (2005) The perception of voice-onset time: An fMRI investigation of phonetic category structure. *Journal of Cognitive Neuroscience*, 17(9), 1-14.
- Misiurski, C., Blumstein, S.E., **Rissman, J.**, and Berman, D. (2005) The role of lexical competition and acoustic-phonetic structure in lexical processing: Evidence from normal subjects and aphasic patients. *Brain and Language*, 93(1), 64-78.
- Gazzaley, A., **Rissman, J.\***, and D'Esposito, M. (2004) Functional connectivity during working memory maintenance. *Cognitive, Affective, and Behavioral Neuroscience*, 4(4), 580-599. [\* shared first authorship]
- Rissman, J.\***, Gazzaley, A.\*, and D'Esposito, M. (2004) Measuring functional connectivity during distinct stages of a cognitive task. *NeuroImage*, 23(2), 752-763. [\* shared first authorship]
- Rissman, J.**, Eliassen, J., and Blumstein, S.E. (2003) An fMRI investigation of implicit semantic priming. *Journal of Cognitive Neuroscience*, 15(8), 1160-1175.

## MANUSCRIPTS IN PREPARATION

- Reggente, N., Cohen, M.S., Zheng, Z., De Shetler N.G., Castel, A.D., Knowlton, B.J., and **Rissman, J.** Memory recall for high value words correlates with individual differences in white matter pathways associated with reward processing and fronto-temporal communication.
- Westphal, A.J., Monti, M.M., Reggente, N., Yazdanshenas, J., and **Rissman, J.** Episodic memory retrieval benefits from a less modular brain network organization.
- De Shetler, N.G. and **Rissman, J.** Dissociable profiles of generalization/discrimination in the human hippocampus during an associative retrieval task.
- Chow, T.E. and **Rissman J.** Multivoxel pattern classification differentiates personally experienced event memories from secondhand event knowledge.
- Cohen, M.S., **Rissman, J.**, Castel, A.D., and Knowlton, B.J. (2015) Dual process dissociations reveal how free recall tests interspersed during learning can bolster the efficacy of value-driven strategy use.

## **TEACHING AND MENTORSHIP**

### ***UCLA Courses Instructed (and median instructor rating out of 9.0)***

Fall 2016	Psych 120A, <i>Introduction to Cognitive Psychology</i>
Spring 2015	Psych 85, <i>Introduction to Cognitive Science</i> (9.0)
Winter 2015	Psych 269, <i>Neuroethics</i> (8.0)
Fall 2014	Psych 120A, <i>Introduction to Cognitive Psychology</i> (9.0)
Spring 2014	Psych 269, <i>Neuroethics</i> (9.0)
Winter 2014	Psych 85, <i>Introduction to Cognitive Science</i> (9.0)
Fall 2013	Psych 120A, <i>Introduction to Cognitive Psychology</i> (9.0)
Winter 2013	Psych 85, <i>Introduction to Cognitive Science</i> (9.0)
Fall 2012	Psych 85, <i>Introduction to Cognitive Science</i> (8.0)
Spring 2012	Psych 120A, <i>Introduction to Cognitive Psychology</i> (9.0)
Winter 2012	Psych 85, <i>Introduction to Cognitive Science</i> (8.5)

### ***UCLA Additional Teaching Activities***

2015-present	Faculty Advisor to BRI Neuroimaging Affinity Group
2011-present	NeuroImaging Training Program Advanced Summer Course (co-director)
Winter 2014	Psychiatry 291, fMRI Journal Club (faculty coordinator)
Fall 2013	Neuro 215, Neuroimaging Research Literature Seminar (faculty coordinator)
2012-2013	Psych 260B, Cognitive Psychology Seminar Series (faculty coordinator)

### ***Teaching Grant Awards***

2015-2016	Course development/improvement grant from the UCLA Diversity Initiative Steering Committee to J. Rissman and C.J. Evans for our new course on <i>The Neurobiology of Bias and Discrimination</i> (\$12,985)
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### ***Guest Lectures***

Mar. 13, 2015	Psychiatry 2 <sup>nd</sup> year child fellows lecture series, UCLA
Sept. 12, 2014	Undergrad course: <i>Human Automation Interaction</i> , US Military Acad., NY
Mar. 7, 2014	Psychiatry 2 <sup>nd</sup> year child fellows lecture series, UCLA
Mar. 4, 2013	Graduate seminar: <i>Principles of Neuroimaging II</i> , UCLA
Nov. 28, 2012	Graduate seminar: <i>Computational Methods for Neuroimaging</i> , UCLA
Aug. 3, 2012	Psychiatry 2 <sup>nd</sup> year child fellows lecture series, UCLA
Nov. 17, 2011	Graduate seminar: <i>Computational Methods for Neuroimaging</i> , UCLA
Nov. 2, 2011	Graduate seminar: <i>Human Learning and Memory (Core)</i> , UCLA
Oct. 31, 2011	Graduate seminar: <i>Human Learning and Memory (Core)</i> , UCLA
April 6, 2011	Undergrad course: <i>Human Biology (Core)</i> , Stanford University
Nov. 2, 2010	Undergrad course: <i>Brain and Behavior</i> , Stanford University
Oct. 7, 2009	Graduate seminar: <i>Psychoneuroimmunology</i> , UCSF School of Nursing
May 6, 2009	Graduate seminar: <i>Cognitive Neuroscience</i> , Stanford University
Apr. 14, 2009	Undergrad course: <i>Learning &amp; Memory</i> , Stanford University
Feb. 1, 2007	Undergrad course: <i>The Neural Basis of Thought and Language</i> , UC Berkeley

### ***Invited Panelist Presentations***

Apr. 7, 2015	Panel on "Academic Job Market", Dept. of Psychology, UCLA
Aug. 27, 2014	Panel on "Preparing Effective Academic Job Application Materials", UCLA
May 16, 2014	Panel on "Psychology & Law of Culpability", Psych in Action Symp., UCLA
Mar. 5, 2013	Panel on "Setting up a Lab and Ensuring Longevity", UCLA

Nov. 27, 2012 Panel on “Academic Job Market”, Dept. of Psychology, UCLA  
 Apr. 5, 2012 Panel on “Memory & the Law” Nevada District Court Conference, Reno, NV  
 Nov. 9, 2011 Panel on “Navigating the Academic Job Search”, Dept. of Psychology, UCLA  
 Apr. 15, 2011 Panel on “Negotiating your First Job”, Dept. of Psychology, Stanford Univ.  
 Apr. 1, 2011 Panel on “Detecting Past Events”, Law & Memory Conference, Stanford Univ.  
 Apr. 28, 2009 Panel on “The Academic Job Market”, Dept. of Neurobiology, Stanford Univ.  
 Apr. 10, 2008 Panel on “Applying for Postdocs”, Dept. of Psychology, UC Berkeley

### **Community Outreach**

Mar. 18, 2015 Brain Awareness Week presentation at the Mirman School  
 Mar. 13, 2015 Careers in Neuroscience Q&A panel for high school & middle school students  
 Mar. 18, 2014 Brain Awareness Week presentation at the Mirman School  
 Apr. 3, 2013 Neuroscience presentation and activity at Warner Avenue Elementary School

### **PhD Thesis Committees:**

Elizabeth Castle (Social Psychology), Dissertation Committee Member (2014-present)  
 Michael Cohen (Cognitive Psychology), Dissertation Committee Co-Chair (2013-2015)  
 Natalie De Shetler (Cognitive Psychology), Dissertation Committee Chair (2015-present)  
 Rachel Higier (Clinical Psychology), Dissertation Committee Co-Chair (2012-2013)  
 Meghan Meyer (Social Psychology), Dissertation Committee Member (2012-2014)  
 Tara Patterson (Cognitive Psychology), Dissertation Committee Member (2014-present)  
 Andrew Westphal (Cognitive Psychology), Dissertation Committee Chair (2015-present)

### **Graduate Course in Research Methods (Psych 251) Sponsorship:**

Tiffany Chow (Cognitive Psychology), Primary Sponsor (2013)  
 John Coetzee (Cognitive Psychology), Secondary Sponsor (2012)  
 Jeffrey Chiang (Cognitive Psychology), Secondary Sponsor (2014)  
 Natalie De Shetler (Cognitive Psychology), Primary Sponsor (2012)  
 Ka-Yee Essoe (Behavioral Neuroscience), Primary Sponsor (2013)  
 Nicco Reggente (Cognitive Psychology), Primary Sponsor (2014)  
 Mark Straccia (Social Psychology), Secondary Sponsor (2016)  
 Andrew Westphal (Cognitive Psychology), Primary Sponsor (2012)

### **Graduate Research Mentorship (GRM) Program Sponsorship:**

Natalie De Shetler (Cognitive Psychology), Primary Sponsor (2014/15)

### **Graduate Summer Research Mentorship (GSRM) Program Sponsorship:**

Natalie De Shetler (Cognitive Psychology), Primary Sponsor (2012; 2014)  
 Tiffany Chow (Cognitive Psychology), Primary Sponsor (2013)  
 Ka-Yee Essoe (Behavioral Neuroscience), Primary Sponsor (2013; 2014)  
 Nicco Reggente (Cognitive Psychology), Primary Sponsor (2014)  
 Andrew Westphal (Cognitive Psychology), Primary Sponsor (2012; 2014)

### **Undergraduate Directed Independent Research (Psych/Neuro 199) Sponsorship:**

Charlotte Cornali (Summer ‘15)	Derik Luu (Spring ‘12)
Dana Frostig (Spring ‘15)	James Mutter (Spring ‘14)
Kaitlin Hunter (Spring ‘15)	Joan Kim (Fall ‘16)
Daniel Lin (Spring ‘14; Fall ‘14)	Yama Nawabi (Fall ‘12; Spring ‘13)

### **Undergraduate Research Assistantship (Psych 196) Sponsorship:**

Tina Abramian (Summer ‘15)	Youn Ji Baek (Winter ‘15)
Nouneh Assadourian (Spring ‘15)	Nathan Brucher (Spring ‘15)

Taylor Clark (Spring '12)  
Charlotte Cornali (Fall '14 – Spring '15)  
Katherine Guardado (Fall '14)  
Dana Frostig (Spring/Summer/Fall '14)  
Taylor Henry (Spring '14)  
Gabriel Hughes (Spring '15)  
Kaori Ito (Fall/Summer '12; Winter '13)  
Cody Kommers (Fall '14; Winter '15)  
Daniel Lin (Winter '14)  
Brittney Medina (Fall '13 – Spring '14)  
James Mutter (Fall '13; Winter '14)

Cory Ngoy (Winter '14)  
Edward Owens (Fall '13; Winter '14)  
Omri Raccah (Fall '14; Winter '15)  
Michael Ruder (Fall '14; Winter '15)  
Elizabeth Shek (Spring '12; Fall '12)  
Laryssa Storozuk (Fall '13; Winter '14)  
Kaitlin Swinnerton (Winter '14; Spring '14)  
Siliang Wang (Spring '15)  
Jacob Yu Villa (Fall '14)  
Timothy Yu (Fall '14)  
Jennifer Zhou (Fall '14; Winter '15)

**CARE Science, Engineering and Math (SEM) Summer Research Program:**

Nathan Brucher (Summer '15)

**Undergraduate Student Initiated Education (USIE) Faculty-Student Advisor**

Becky Li (Fall '15 – Spring '16)

**Other UCLA mentorship-related activities:**

July 14, 2015 *Faculty Volunteer*, Workshop on writing a personal statement for graduate school admissions, CARE SEM Summer Research Program  
May 8, 2015 *Faculty Volunteer*, Psychology Undergraduate Research Conference  
Feb 5-7, 2015 Dept. Representative & Participant, Student Success in Science Workshop  
Jan 28, 2015 *Faculty Host & Speaker*, Cog Sci Student Assoc Luncheon  
Fall 2014 - *Faculty Mentor*, Regents Scholar Society Faculty Mentor Program  
May 9, 2014 *Faculty Moderator*, Psychology Undergraduate Research Conference  
Oct 14, 2013 *Faculty Host & Discussant*, Cog Sci Student Assoc Film Night  
May 28, 2013 *Faculty Host & Discussant*, Cog Sci Student Assoc Film Night  
May 10, 2013 *Faculty Volunteer*, Psychology Undergraduate Research Conference  
May 6, 2013 *Faculty Host*, Cognitive Science Student Assoc. Luncheon

**PROFESSIONAL MEMBERSHIPS**

2014-present Memory Disorders Research Society (elected member)  
2014-present The Psychonomic Society (elected fellow)  
2009-present Organization for Human Brain Mapping  
2007-present Association for Psychological Science  
2002-present Society for Neuroscience  
2000-present Cognitive Neuroscience Society

**DEPARTMENTAL AND UNIVERSITY SERVICE ACTIVITIES**

2014-present *Faculty Coordinator*, Cognitive Neuroscience / BNS Brown Bag Series  
2014 *Member*, Strategic Planning Committee, Dept. of Psychology  
2014 *Member*, Dry Lab general working group, Dept. of Psychology  
2014 *Member*, BRI/Semel SfN Travel Awards Committee  
2013-present *Member*, Committee on the Jeffrey Lecture in Cognitive Neuroscience  
2013-present *Chair*, Cognitive Science Major/Minor Committee  
2013-2015 *Faculty Coordinator*, Advanced Neuroimaging Methods Journal Club  
2013-present *Emergency Floor Warden*, Dept. of Psychology  
2012-2014 *Member*, UCLA Neuroscience Grand Challenge committee

2012-2013 *Member, BNS Faculty Search Committee, Dept. of Psychology*  
 2012-2013 *Faculty Coordinator, Cognitive Psychology Seminar Series*  
 2012-2013 *Faculty Coordinator, Cognitive Neuroscience / BNS Brown Bag Series*  
 2012-present *Member, NeuroImaging Training Program Executive Committee*  
 2011-present *Departmental Representative, Legislative Assembly of the Academic Senate*  
 2011-present *Member, Undergraduate Studies Committee, Dept. of Psychology*  
 2011-present *Member, Staglin Center for Cognitive Neuroscience Executive Committee*

## **EDITORIAL SERVICE**

2015-present Editorial Board Member, *Frontiers in Human Neuroscience* (Review Editor)

### **Ad Hoc Reviewing**

<i>Brain and Behavior</i>	<i>Journal of Neuroscience</i>
<i>Brain Research</i>	<i>Learning &amp; Memory</i>
<i>Cerebral Cortex</i>	<i>PNAS</i>
<i>Cognitive, Affective, &amp; Behav. Neuroscience</i>	<i>Psychophysiology</i>
<i>Cognitive Neuropsychiatry</i>	<i>Nature Neuroscience</i>
<i>eLIFE</i>	<i>Neurobiology of Aging</i>
<i>Frontiers in Human Neuroscience</i>	<i>NeuroImage</i>
<i>Human Brain Mapping</i>	<i>Neuron</i>
<i>Israeli Science Foundation</i>	<i>Neuropsychologia</i>
<i>Journal of Cognitive Neuroscience</i>	<i>Neuroscience</i>
<i>Journal of Experimental Psychology</i>	<i>Science</i>
<i>Journal of Neurophysiology</i>	

## **SELECTED MEDIA COVERAGE**

Carr, D. (Apr. 29, 2013) Why Older Minds Make Better Decisions. *Forbes Magazine*.  
<http://www.forbes.com/sites/nextavenue/2013/04/29/why-older-minds-make-better-decisions>

Yong, E. (Apr. 6, 2012) Will we ever... create a perfect lie detector? *BBC News*.  
<http://www.bbc.com/future/story/20120405-will-we-ever-detect-a-liar>

Ross, V. (Nov. 1, 2010) 5 Questions for a Mind-Reader Who Ran Into the Brain's Limits. *Discover Magazine*. <http://discovermagazine.com/2010/nov/05-questions-for-mind-reader-ran-into-brain-limits>

Valeo, T. (June 24, 2010) Current Brain Imaging May Identify Memory, But Not Truth. *The Dana Foundation*. <http://www.dana.org/news/features/detail.aspx?id=28522>

Constandi, M. (June 8, 2010) If neuroimaging can reliably discern truth from falsehood, should brain scans be admissible evidence in court cases? *Seed Magazine*.  
[http://seedmagazine.com/content/article/fmri\\_on\\_trial](http://seedmagazine.com/content/article/fmri_on_trial)

Zuckerman, W. (May 11, 2010) Witness brain scan won't reveal whether the face fits. *New Scientist*.  
<http://www.newscientist.com/article/dn18888-witness-brain-scan-wont-reveal-whether-the-face-fits.html>

Yong, E. (May 10, 2010) Controversy Over Brain Scan Use In Courtrooms. *CBS News*.  
<http://www.cbsnews.com/stories/2010/05/10/tech/main6471186.shtml>

Roberts, M. (May 10, 2010) Brain Scans May Be Useful Lie Detectors. *BBC News*.  
<http://news.bbc.co.uk/2/hi/health/8672400.stm>



## INVITED TALKS

Sept 24, 2015	HRL Laboratories Colloquium, Malibu, CA
May 14, 2015	Snapchat, Inc., Venice, CA
Apr. 10, 2015	USC Brain Imaging and Machine Learning Meeting
Mar. 11, 2015	UC Davis Neuroscience Seminar Series
Nov. 21, 2014	Symposium talk at the Psychonomic Society Annual Meeting, Long Beach, CA
Sept. 18, 2014	Memory Disorders Research Society Annual Meeting, Austin, TX
Sept. 11, 2014	United States Military Academy YFA Speaker Series, West Point, NY
June 6, 2014	UC Berkeley Psychology PhD Reunion Conference
May 16, 2014	Psychology in Action Symposium, The Psychology & Law of Culpability, UCLA
May 9, 2014	UCLA Learning & Behavior Brown Bag Series
Mar. 11, 2014	UC Riverside Cognitive Lunch Speaker Series
Mar. 6, 2014	UCLA Brain Mapping Center Seminar Series
Oct. 22, 2012	UCSD CTRI - CFMRI Joint Symposium on Functional Neuroimaging
May 29, 2012	UCSD Cognitive & Neural Systems Group Seminar
April 19, 2012	Claremont Colleges Neuroscience Speaker Series
April 5, 2012	Nevada District Court Conference, Neuropsychology and the Law, Reno, NV
Feb. 3, 2012	UCLA Psychology Department Cognitive Area Colloquium
June 3, 2011	Stanford Department of Psychology Cognitive Seminar
June 1, 2011	Southern California Learning and Memory Symposium
June 5, 2010	UCSF Memory and Aging Center Neuropsychology Seminar
Feb. 18, 2010	NIH/NIMH Clinical Brain Disorders Branch Special Lecture
Feb. 1, 2010	UCLA Psychology Department Cognitive Area Colloquium
Jan. 28, 2010	Boston University Psychology Department Colloquium
Jan. 12, 2010	Ohio State University Psychology Department Colloquium
Dec. 16, 2009	NIH/NIMH Section on Integrative Neuroimaging Research Seminar
Dec 14, 2009	Johns Hopkins Univ. Dept. of Psychological & Brain Sciences Colloquium
Dec. 3, 2009	Univ. of Wisconsin-Milwaukee Psychology Department Colloquium
Dec. 1, 2009	Univ. of Missouri-Columbia Dept. of Psychological Sciences Colloquium
Apr. 29, 2009	Stanford Miniseries on Prediction and Classification Techniques in fMRI
Feb. 11, 2009	Stanford Interdisciplinary Group in Neuroscience and Law Seminar
Feb. 3, 2009	UCLA Psychology Department Cognitive Area Colloquium
Nov. 12, 2007	Neuroscience Institute at Stanford fMRI Colloquium
Nov. 9, 2007	Stanford Department of Psychology Cognitive Seminar
Mar. 23, 2007	UC Berkeley Institute of Cognitive and Brain Sciences Colloquium
Mar. 6, 2006	UC Davis Center for Mind and Brain Colloquium
Dec. 9, 2003	UC Berkeley Henry H. Wheeler, Jr. Brain Imaging Center Colloquium

## CONFERENCE PRESENTATIONS

[\* indicates student working under my mentorship; last author = senior author]

Cohen, M.S.\*, **Rissman, J**, Castel, A.D., Hovhannisyan, M., and Knowlton, B.J. (2015) Dual process dissociations reveal how free recall tests interspersed during learning can bolster the efficacy of value-driven strategy use. Poster presented at *Psychonomics Society Annual Meeting*, Chicago, IL.

- Cohen, M.S.\* , **Rissman, J.**, Castel, A.D., Hovhannisyan, M., and Knowlton, B.J. (2015) Dual process dissociations reveal how free recall tests interspersed during learning can bolster the efficacy of value-driven strategy use. Talk presented at *Bay Area Memory Meeting*, Davis, CA.
- Reggente, N.\* , Essoe, J.K.\* , Jevtic, I.\* , and **Rissman, J.** (2015) Decoding the contents of perceived and imagined navigation through virtual reality environments. Poster presented at *Organization for Human Brain Mapping Meeting*, Honolulu, HI.
- De Shetler, N.\* , Suthana, N.A., Knowlton, B.J., and **Rissman, J.** (2015) The effects of reward value on the representational similarity of encoding and retrieval activity patterns in human hippocampus. Poster presented at *Organization for Human Brain Mapping Meeting*, Honolulu, HI.
- Ohno, A.\* , Niño, C.\* , Hunter, K.\* , Mehta, P.\* , Baek, H.Y.\* , Essoe, J.K.\* , Jevtic, I.\* , Reggente, N.\* , and **Rissman, J.** (2015) The Method of Loci revisited: Memory enhancement by way of virtually augmented memory palaces. Poster presented at *Psychology Undergraduate Research Conference*, Los Angeles, CA.
- Cohen, M.S.\* , **Rissman, J.**, Suthana, N.A., Castel, A.D., and Knowlton, B.J. (2015). Age differences in brain response to cues that signal the value of to-be-remembered information. Poster presented at *Scientific Research Network on Decision Neuroscience & Aging Conference*, Miami, FL.
- Cohen, M.S.\* , **Rissman, J.**, Castel, A.D., and Knowlton, B.J. (2014) The value of studied items enhances recall, and the recollection of non-recalled items. Poster presented at *Psychonomics Society Annual Meeting*, Long Beach, CA.
- Westphal, A.J.\* , Monti, M.M., Reggente, N.\* , Yazdanshenas, J.\* , and **Rissman, J.** (2014) Episodic memory retrieval benefits from a less modular brain network organization. Talk presented at *Society for Neuroscience Annual Meeting*, Washington, DC.
- Reggente, N.\* and **Rissman, J.** (2014) The structural scaffolding of functionally defined networks predicts individual differences in cognitive function. Talk presented at *Society for Neuroscience Annual Meeting*, Washington, DC.
- Chow, T.E.\* , Westphal, A.J.\* , Storozuk, L.A.\* , Medina, B.V.\* , Ngoy, C.D.\* , and **Rissman, J.** (2014) Multi-voxel pattern classification differentiates personally experienced event memories from second-hand event knowledge. Poster presented at *Society for Neuroscience Annual Meeting*, Washington, DC.
- Kommers, C.\* , Reggente, N.\* , Raccach, O.\* , and **Rissman, J.** (2014) Diffusion-weighted MRI measures of hippocampal integrity and connectivity predict variance in working memory performance. Poster presented at *Society for Neuroscience Annual Meeting*, Washington, DC.
- Cohen, M.S.\* , **Rissman, J.**, Suthana, N.A., Castel, A.D., and Knowlton, B.J. (2014) Age differences in brain response to cues that signal the value of to-be-remembered information. Poster presented at *Society for Neuroscience Annual Meeting*, Washington, DC.
- Rissman, J.** (2014) Dissociable profiles of match/mismatch sensitivity in hippocampus during visual associative memory retrieval. Talk presented at *Memory Disorders Research Society Annual Meeting*, Austin, TX.
- Raccach, O.\* , Kommers, C.\* , Reggente, N.\* , and **Rissman, J.** (2014) Individual differences in working memory performance as a function of the local integrity and connectivity of the

- hippocampus. Poster presented at *Psychology Undergraduate Research Conference*, Los Angeles, CA.
- Lin, D.\* , Essoe, J.K.-Y.\* , Tran, J.\* , Zhou, J.\* , Mutter, J.\* , Frostig, D.\* , Yang, J.\* , Reggente, N.\* , and **Rissman, J.** (2014) The effects of sleep quality on virtual reality learning and overnight forgetting. Poster presented at *Psychology Undergraduate Research Conference*, Los Angeles, CA.
- Sherafat, Y., Cohen, M.S.\* , **Rissman J.**, Castel, A.D., Knowlton, B.J. (2014) Recollection memory is enhanced for high-value items. Poster presented at *Psychology Undergraduate Research Conference*, Los Angeles, CA.
- Cohen, M.S.\* , Rissman, J., Suthana, N.A., Giebl, S., Castel, A.D., and Knowlton, B.J. (2014) Age differences in prefrontal contributions to selective encoding of valuable to-be-remembered words. Poster presented at *Cognitive Neuroscience Society Annual Meeting*, Boston, MA.
- Uncapher, M., Boyd-Meredith, J.T., **Rissman, J.**, and Wagner, A.D. (2014) Decoding the age and rehearsal history of real-world memories. Poster presented at *Cognitive Neuroscience Society Annual Meeting*, Boston, MA.
- Nikolaidis, A., Reggente, N.\* , Goatz, D., Hurley, K., Westphal, A.J.\* , **Rissman, J.**, and Kramer, A.F. (2014) Predicting individual differences in cognitive gains from videogame training using multivariate analysis of fMRI functional connectivity patterns. Poster presented at *Cognitive Neuroscience Society Annual Meeting*, Boston, MA.
- Cohen, M.S.\* , **Rissman, J.**, Harbert, E.\* , Castel, A.D., Knowlton, B.J. and (2013) Enhancement of recognition memory by point value is associated with increased recollection. Poster presented at *Psychonomic Society Annual Meeting*, Toronto, Canada.
- De Shetler, N.G.\* , Clark, T.\* , and **Rissman, J.** (2013) Dissociable profiles of match/mismatch sensitivity in hippocampus during visual associative memory retrieval: A high-resolution fMRI study. Poster presented at *Society for Neuroscience Annual Meeting*, San Diego, CA.
- Cohen, M.S.\* , **Rissman, J.**, Castel, A.D., and Knowlton, B.J. (2013) Enhanced functional connectivity associated with strategic enhancement of encoding for valuable items. Poster presented at *Society for Neuroscience Annual Meeting*, San Diego, CA.
- Westphal, A.J.\* , Reggente, N.\* , Ito, K.\* , Fortuna, W.H.\* , Nawabi, Y.\* , Milstein, M.\* , and **Rissman, J.** (2013) Characterizing common and dissociable involvement of medial temporal lobe regions during episodic source memory retrieval and analogical reasoning. Poster presented at *Society for Neuroscience Annual Meeting*, San Diego, CA.
- Reggente, N.\* , Cohen, M.S.\* , Zheng, Z.\* , De Shetler N.G.\* , Castel, A.D., Knowlton, B.J., Rissman, J. (2013) Memory recall for high value items correlates with individual differences in white matter pathways associated with reward processing and fronto-temporal communication. Poster presented at *Society for Neuroscience Annual Meeting*, San Diego, CA.
- Cohen, M.S.\* , **Rissman, J.**, Harbert, E.\* , Castel, A.D., Knowlton, B.J. and (2013) ) Enhancement of recognition memory by point value is associated with increased recollection. Poster presented at *Bay Area Memory Meeting*, San Francisco, CA.
- Westphal, A.J.\* , Reggente, N.\* , Ito, K.\* , Fortuna, W.\* , and **Rissman, J.** (2013) Decoding cognitive task-sets from rostral prefrontal cortex functional connectivity patterns. Poster presented at *Annual Meeting of the Organization for Human Brain Mapping*, Seattle, WA.

- Ito, K.\*, Westphal, A.J.\*, Reggente, N.\*, Fortuna, W.\*, and **Rissman, J.** (2013) Hippocampus across task-contexts: Localized activity and network connectivity. Poster presented at *Psychology Undergraduate Research Conference*, Los Angeles, CA.
- Harbert, E.\*, Cohen, M.S.\*, Castel, A.D., Knowlton, B.J. and **Rissman, J.** (2013) Item value enhances recollection but not familiarity via increased ventrolateral PFC activity. Poster presented at *Psychology Undergraduate Research Conference*, Los Angeles, CA.
- Cohen, M.S.\*, **Rissman, J.**, Castel, A.D., and Knowlton, B.J. (2013) Memory selectivity is associated with greater engagement of areas involved in deep semantic encoding for high-value items. Poster presented at *Mechanisms of Motivation, Cognition, and Aging Interactions (MoMCAI) Conference*, Washington, DC.
- Westphal, A.J.\*, Reggente, N.\*, Nawabi, Y.\*, and **Rissman, J.** (2013) Shared and distinct contributions of rostral prefrontal cortex to analogical reasoning and episodic memory retrieval: Insights from fMRI functional connectivity and multivariate pattern analyses. Poster presented at *Cognitive Neuroscience Society Annual Meeting*, San Francisco, CA.
- Cohen, M.S.\*, **Rissman, J.**, Castel, A.D., and Knowlton, B.J. (2013) Memory selectivity is associated with greater engagement of areas involved in deep semantic encoding for high-value items. Poster presented at *Cognitive Neuroscience Society Annual Meeting*, San Francisco, CA.
- Cohen, M.S.\*, **Rissman, J.**, Castel, A.D., and Knowlton, B.J. (2012) Activity in brain regions associated with deep semantic encoding predicts enhanced memory for high-value items. Talk presented at *Bay Area Memory Meeting*, Davis, CA.
- Rissman, J.**, Chow, T.\*, Hardekopf, K.\*, Reggente, N.\*, Greely, H.T., and Wagner, A.D. (2011) Decoding real-world autobiographical retrieval experiences with fMRI multi-voxel pattern analysis. Talk presented at *Society for Neuroscience Annual Meeting*, Washington, DC.
- Rissman, J.** and Wagner, A.D. (2010) Striatal contributions to explicit remembering: Effects of memory strength and decision confidence. Talk presented at *Bay Area Memory Meeting*, Stanford, CA.
- Kuhl, B.A., **Rissman, J.**, Chun, M.M., and Wagner, A.D. (2010) Selective remembering: Multivoxel pattern analysis of cortical reactivation during retrieval of visual images. Talk presented at *Vision Science Society Annual Meeting*, Naples, FL.
- Gordon, A.M., **Rissman, J.**, Bennett, C., and Wagner, A.D. (2010). Dissociating decision-making processes during source memory retrieval using fMRI pattern analysis. Poster presented at *Cognitive Neuroscience Society Annual Meeting*, Montreal, Canada.
- Rissman, J.** and Wagner, A.D. (2009) Striatal contributions to explicit remembering: Effects of memory strength and decision confidence. Poster presented at *Society for Neuroscience Annual Meeting*, Chicago, IL.
- Gordon, A.M., **Rissman, J.**, and Wagner, A.D. (2009) Investigating source memory decisions via reinstated mnemonic evidence: An fMRI pattern analysis study. Poster presented at *Society for Neuroscience Annual Meeting*, Chicago, IL.
- Kuhl, B.A., **Rissman, J.**, Chun, M.M., and Wagner, A.D. (2009) Competitive reactivation of episodic memories assessed via multivoxel pattern analysis of fMRI data. Talk presented at *Society for Neuroscience Annual Meeting*, Chicago, IL.

- Fegen, D., Lee, T., **Rissman, J.**, Buchsbaum, B., Badre, D., and D'Esposito, M (2009) Cross-modal attentional modulation effects in the thalamus and early sensory cortices. Poster presented at *Cognitive Neuroscience Society Annual Meeting*, San Francisco, CA.
- Rissman, J.** and Wagner, A.D. (2008). Decoding neural signatures of recognition memory states based on distributed patterns of fMRI activity. Talk presented at *Society for Neuroscience Annual Meeting*, Washington, DC.
- Rissman, J.** and Wagner, A.D. (2008) Classifying the mnemonic status of single items based on distributed fMRI activity patterns. Talk presented at *Bay Area Memory Meeting*, Davis, CA.
- Fegen, D., **Rissman, J.**, Chen A., Cooney, J.W., and D'Esposito, M. (2007) Acetylcholine increases the distinctiveness of distributed cortical representations. Poster presented at *Society for Neuroscience Annual Meeting*, San Diego, CA.
- Rissman, J.**, Gazzaley, A., and D'Esposito, M. (2007) Shared processing resources for visual and phonological working memory: exploring the role of the posterior frontal cortex. Poster presented at *Bay Area Neuroscience Gathering*, San Francisco, CA.
- Rissman, J.**, Gazzaley, A., and D'Esposito, M. (2006) Evidence for a capacity-limited working memory control mechanism in the posterior frontolateral cortex. Poster presented at *Society for Neuroscience Annual Meeting*, Atlanta, GA.
- Rissman, J.**, Gazzaley, A., and D'Esposito, M. (2005) The effect of phonological working memory load on top-down enhancement and suppression of visual processing. Poster presented at *Society for Neuroscience Annual Meeting*, Washington, DC.
- Seibert, T.M., Gazzaley, A., Rutman, A.M., **Rissman, J.**, and D'Esposito, M. (2005) Top-down enhancement of hippocampal functional connectivity underlies incidental long-term memory. Poster presented at *Society for Neuroscience Annual Meeting*, Washington, DC.
- Ranganath, C., Heller, A.S., Cohen, M.X., Brozinsky, C.J., and **Rissman, J.** (2005) Functional connectivity with the hippocampus during successful memory formation. Talk presented at *Society for Neuroscience Annual Meeting*, Washington, DC.
- Rissman, J.**, Gazzaley, A., and D'Esposito, M. (2005) The effect of memory load on top-down modulation of visual processing. Talk presented at *Bay Area Memory Meeting*, Davis, CA.
- Duverne, S., **Rissman, J.**, and D'Esposito, M. (2005) Prefrontal and parietal network mediating strategy use in arithmetic problem solving. Poster presented at *Cognitive Neuroscience Society Annual Meeting*, New York, NY.
- Rissman, J.**, Gazzaley, A., and D'Esposito, M. (2004) The effect of load on functional connectivity during visual working memory maintenance. Poster presented at *Society for Neuroscience Annual Meeting*, San Diego, CA.
- Fiebach, C.J., **Rissman, J.**, and D'Esposito, M. (2004) Stimulus-specific modulation of verbal working memory maintenance activity in cortical language areas. Talk presented at *Society for Neuroscience Annual Meeting*, San Diego, CA.
- Pino, D., Gazzaley, A., Hoffman, J., Yoon, J., **Rissman, J.**, and D'Esposito, M. (2004) Compensatory role of the prefrontal cortex for successful memory performance in aging. Poster presented at *Society for Neuroscience Annual Meeting*, San Diego, CA.

- Gazzaley, A., Cooney, J.W., McEvoy, K., Pino, D., **Rissman, J.**, Knight, R.T., and D'Esposito, M. (2004) Top-down modulation of visual association cortex in younger and older adults. Talk presented at *Gerontological Society of America Meeting*, Washington, D.C.
- Rissman, J.**, Gazzaley, A., and D'Esposito, M. (2004) Functional connectivity during working memory maintenance. Talk presented at *Bay Area Memory Meeting*, Berkeley, CA.
- Pino, D., Gazzaley, A., Cooney, J.W., **Rissman, J.**, and D'Esposito. (2004) Age-related differences in functional connectivity: A working memory and long-term memory comparison. Poster presented at *Cognitive Neuroscience Society Annual Meeting*, San Francisco, CA.
- Rissman, J.**, Gazzaley, A., and D'Esposito, M. (2003) Functional connectivity during working memory maintenance. Poster presented at *Society for Neuroscience Annual Meeting*, New Orleans, LA.
- Gazzaley, A., Cooney, J.W., **Rissman, J.**, and D'Esposito, M. (2003) Top-down modulation of stimulus-specific visual association cortex. Talk presented at *Society for Neuroscience Meeting*, New Orleans, LA.
- Cooney, J.W., Gazzaley, A., Sheridan M.A., Pino, D., **Rissman, J.**, Ranganath, C., and D'Esposito, M. (2003) Age-related changes in the fronto-parietal network and occipital cortex during working memory delay. Poster presented at *Society for Neuroscience Meeting*, New Orleans, LA.
- Misiurski, C., Berman, D., **Rissman, J.**, and Blumstein, S.E. (2001) Effects of lexical competition and phonetic degradation on lexical processing in aphasia. Talk presented at *Academy of Aphasia Annual Meeting*, Boulder, CO.
- Rissman, J.**, Heindel, W., and Festa-Martino, E. (2001) Orientation-specific holistic processing of human faces. Poster presented at *Cognitive Neuroscience Society Annual Meeting*, New York, NY.