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Positions

2018– Lucie Stern Professor in the Social Sciences, Stanford University
2011– Professor of Psychology and Neuroscience, Stanford University
2021– Deputy Director, Wu Tsai Neurosciences Institute, Stanford University
2018–2021 Chair, Department of Psychology, Stanford University
2003– Faculty Affiliate, Wu Tsai Neurosciences Institute & Neurosciences Graduate Program, Stanford University
Faculty Affiliate, Symbolic Systems Program, Stanford University
Faculty Affiliate, Stanford Center on Longevity, Stanford University
2010– Faculty Affiliate, Human Biology Program, Stanford University
2006–2011 Associate Professor of Psychology and Neuroscience, Stanford University
2003–2006 Assistant Professor of Psychology and Neuroscience, Stanford University
2000–2003 Assistant Professor of Cognitive Neuroscience, Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology
2001–2003 Faculty Affiliate, Center for Learning and Memory, Massachusetts Institute of Technology
1999–2002 Assistant Cognitive Psychologist and Instructor, Department of Radiology, Massachusetts General Hospital–Nuclear Magnetic Resonance Center

Academic History

1997–1999 Post-doctoral Research Fellow, Department of Psychology, Harvard University
1997–1999 Post-doctoral Research Fellow, Department of Radiology, Massachusetts General Hospital–Nuclear Magnetic Resonance Center
1992–1997 Ph.D., Psychology, Stanford University, September 1997
Dissertation: *Prefrontal Cortex and Recognition Memory: fMRI Evidence for Context-Dependent Retrieval Processes*; Advisor: John D. E. Gabrieli
1986–1992 B.A., Psychology, University of California, Los Angeles, March 1992
Magna Cum Laude; Departmental Highest Honors; Advisor: Robert A. Bjork

Fellowships, Awards, and Honors

Fellow, Society of Experimental Psychologists, 2021
Nominated, Phi Beta Kappa Teaching Prize, Stanford University, 2020
Lucie Stern Professor in the Social Sciences, Stanford University, 2018
Fellow, American Association for the Advancement of Science, 2012
Dean's Award for Excellence in Graduate Education, Stanford University, 2010-2011
Fellow, Association for Psychological Science, 2010
Gordon and Dailey Pattee Faculty Fellowship, 2010-2011
John Philip Coghlan Fellow, 2007-2009

APA Distinguished Scientific Award for Early Career Contribution, 2006
 Alfred P. Sloan Research Fellow, 2004
 Cognitive Neuroscience Society Young Investigator Award, 2004
 McKnight Endowment Fund for Neuroscience, Scholar Award, 2001
 Paul E. Newton Career Development Professorship in Neuroscience, 2000-2003
 Surdna Foundation Research Award, 2000
 Ellison Medical Foundation New Scholars Award, 2000
 National Research Service Award, National Institute on Aging, 1997-1999
 National Science Foundation Graduate Fellowship, 1992-1995
 Jacob K. Javits Graduate Fellowship, awarded 1992
 Phi Beta Kappa, 1992; Sigma Xi, 1992; Psi Chi, 1991 (President, UCLA Chapter 1991-1992)
 UCLA Alumni Scholars Achievement Award, 1990

Professional Memberships

American Association for the Advancement of Science, Association for Psychological Science, American Psychological Association, Cognitive Neuroscience Society, Federation of Associations in Behavioral and Brain Sciences (Affiliate Member); Memory Disorders Research Society, Organization for Human Brain Mapping, Psychonomic Society (Associate Member), Society for Neuroscience

Professional Experience

Co-Editor: *Current Directions in Psychological Science*, 2008
 • Special issue on neuroscience and psychology

Reviewing Editor: *Cerebral Cortex*, 2012–
Cerebral Cortex Communications, 2020–

Section Editor: *Neuropsychologia*, 2006–2008
 (Section on: Executive Function & Cognitive Control)
 Memory Section
The Cognitive Neurosciences, 5th Ed. (Gazzaniga & Mangun, Eds)

Ad Hoc Action Editor: *Proceedings of the National Academy of Sciences, USA*

Consulting Editor/Editorial Board: *Behavioral Neuroscience*, 2002–2012
Cerebral Cortex, 2005–2011
Cognitive Neuroscience, 2012–
JEP: Learning, Memory & Cognition, 2006–2012
Journal of Law and the Biosciences, 2013–
Memory & Cognition, 2006–2009
Neuropsychologia, 2006–2017
Psychological Bulletin, 2008–2014
Psychological Science, 2009–2011
Scientific Reports, NPG, 2011–2012
Trends in Cognitive Science, 2004–

Ad Hoc Referee: *Acta Psychologica; Attention, Perception, & Psychophysics; Behavioral Neuroscience; Brain; Brain Research Interactive; Cerebral Cortex; Cognitive Affective & Behavioral Neuroscience; Cognitive Brain Research; Cognitive Neuropsychology; Cortex; Current Biology; Current Directions in Psychological Science; Developmental Psychology; eLife; Frontiers in Neuroscience; Hippocampus; International Journal of Neural Systems; Journal of Cognitive Neuroscience; JEP: General; JEP: Human Perception & Performance; JEP: Learning, Memory & Cognition; Journal of Neurophysiology; Journal of Neuroscience; Journal of the International Neuropsychological Society; The Lancet; Learning & Memory; Memory & Cognition; Nature; Nature Communications; Nature Neuroscience; Nature Reviews Neuroscience; Neurobiology of Learning & Memory; NeuroImage; Neuron; Neuropsychologia; Neuropsychology; PLoS Biology; PNAS; Psychological Bulletin; Psychological Research; Psychological Review;*

*Psychological Science; Psychology and Aging; Psychology of Popular Media Culture;
Psychonomic Bulletin & Review; Science; Trends in Cognitive Science*

NIH Study Section Regular Member: Cognition and Perception, 2008-2012

Ad Hoc Grant Referee:

NIH: IFCN-5 Special Emphasis Panel: 2000–2002
 IFCN-7/Learning and Memory SEP: 2003, 2005, 2006, 2007
 IFCN-M (02)/Physiology and Modeling SEP: 2008
 NIMH Conte Center Review Panel: 2003
 NIMH B/START: 2004, 2005
 Cognition and Perception Study Section: 2005, 2007
 NIH BBBP-J Special Emphasis Panel: 2015
 NIH BBBP-C90 Special Emphasis Panel: 2020
 NIH SCP-Special Emphasis Panel: 2016
 NIH ZRG1 IFCN-T Special Emphasis Panels: 2016, 2017, 2019
 NIH Brain Initiatives Fellows (F32) Program: 2019
 NSF: Perception, Action, and Cognition: 2009
 Human Cognition & Perception: 2000, 2003–2005
 Social, Behavioral, & Economic Sciences: 2001
 American Federation for Aging Research: 2008
 Medical Research Council, United Kingdom: 2004
 NSERC / CRSNG: 2003
 The Wellcome Trust: 2002
 The Alzheimer's Association: 1998

Member-at-Large, Section of Psychology, American Association for the Advancement of Science, 2019-2022

Member, Cermak/Corkin Award Selection Committee, Memory Disorders Research Society, 2019

Member, Program Review Oversight Committee, Helen Wills Neuroscience Institute, UC Berkeley, 2019

Member, Society for Neuroscience Donald B. Lindsley Prize Selection Committee, 2017-2019

Member, American Psychological Association Early Career Award in Cognition and Human Learning Selection Committee, 2017

Member, External Review Committee, Department of Psychology, UC Berkeley, 2016

Member, External Review Committee, Department of Psychology, UC Santa Barbara, 2015

Member, National Academy of Sciences Committee on Scientific Approaches to Understanding and Maximizing the Validity and Reliability of Eyewitness Identification in Law Enforcement and the Courts, 2013–2014

Core Member, MacArthur Foundation's Research Network on Law & Neuroscience, 2011–2016

(<http://lawandneuroscienceproject.org/>)

Legal Decision Making Network, MacArthur Foundation Law & Neuroscience Project, 2007–2011

Program Committee, Annual Meeting of the Cognitive Neuroscience Society, 2007–2011

Co-organizer, Law and Memory Conference, Stanford Law School, April 2011

Co-organizer, Bay Area Memory Meeting (BAMM!), 2004–present

(<http://memorylab.stanford.edu/BAMM/Bamm.html>)

Faculty Contributor, Cognitive Neuroscience section of the Faculty of 1000: 2001–2006;

2008–2011 (<https://F1000.com/prime>)

Scientific Advisory Board, Organization for Human Brain Mapping Meeting: 2003 & 2004

Key Participant, NIMH Meeting on Measurement and Treatment Research to Improve Cognition in Schizophrenia (MATRICS): 2004

Session Chairperson, Annual Meeting of the Society for Neuroscience: 2000, 2001, 2007

Scientific Management Committee, Martinos Center for Biomedical Imaging: 2001–2002

Advisory Committee for the McGovern Institute for Brain Research, M.I.T., 2001

Dept. of Brain and Cognitive Sciences Colloquium Committee, 2000–2002

Organizing Committee for Stanford Symposium on Cognitive Psychology, 1994–1995

Research Consultant, Interval Research Corporation, April 1994–December 1995

Organizing Committee, 16th Annual Stanford-Berkeley Symposium on Cognitive Psychology, 1994

Other Leadership Positions at Stanford

2021–	Deputy Director, Wu Tsai Neurosciences Institute
2018–2021	Senior Advisory Council, Wu Tsai Neurosciences Institute
2009–2021	Advisory Board, Cognitive and Neurobiological Imaging Center
2009–2014	Co-Director, Cognitive and Neurobiological Imaging Center
2011–2017	Member, Bio-X Leadership Council
2009–2012	Advisory Board Member, Center for Biomedical Imaging at Stanford (CBIS)

Stanford Committees

2021	Faculty Search Committee, Department of Neurology and Neurological Sciences
2020	Director Search Committee, Wu Tsai Neurosciences Institute
2018–2019	Affordability Task Force (Co-Chair, Postdoctoral Fellows Task Force)
2017–2018	Provost's Student Data Oversight Committee
2012–2017	Provost's Advisory Committee on Postdoctoral Affairs
2004–2017	Chair, Graduate Admissions Committee, Dept. of Psychology
2015	Faculty Search Committee, Department of Neurology and Neurological Sciences
2009–2013	Steering Committee, Stanford Brain Imaging Analysis Center
2009–2013	Chair, Graduate Program Committee, Dept. of Psychology
2010–2012	Developmental Faculty Search Committees, Dept. of Psychology
2008, 2009	Sammy Kuo Prize Committee, Neuroscience Institute
2008, '10, '12	Cognitive Neuroscience Faculty Search Committee, School of Education
2006–2009	Neuroscience Program Committee, Neuroscience Program
2006–2009	Cognitive and Cognitive Neuroscience Faculty Search Committees, Dept. of Psychology
2006	Committee on Cognitive Neuroscience and Neurobiological Imaging (CNNI)
2004–2009	Oversight Committee, Stanford Brain Imaging Analysis Center
2004–2006	Graduate Admissions Committee, Neurosciences Program
2004–2005	Human Subjects Committees, Dept. of Psychology
2003–2004	Graduate Admissions Committee, Dept. of Psychology
2003–2004	Cognitive Faculty Search Committee, Dept. of Psychology

Teaching Experience

Stanford University

Course Instructor, Dept. of Psychology

Psych 19N	Memory and Brain	W 2006
Psych 40	Cognition (co-taught with B. Tversky)	W 2004
Psych 45	Introduction to Learning and Memory	S 2005 – 2013, 2015 – 2018, 2020
Psych 169	Advanced Seminar on Memory	F 2014 – 2016, 2018
Psych 206	Cortical Plasticity (co-taught with K. Grill-Spector)	W 2009, 2011, 2013, 2016, 2018
Psych 207	Professional Seminar	F 2018, 2019
Psych 210	Foundations of Memory	F 2004 – 2007, 2009, 2011
Psych 226	Models & Mechanisms of Memory (co-taught with J. McClelland)	F 2008, 2017
Psych 266	Current Debates in Learning and Memory	S 2004, W 2007, W 2010, W2014 – 2015, W2017
Psych 279	Current Topics in Cognitive Control	W 2005, 2008, 2012
Psych 289	Sensory Representation in Language and Memory (co-taught with L. Boroditsky)	F 2010

Course Contributor / Guest Lecturer

Psych 1	Introduction to Psychology	F 2005 – 2011 (quarterly)
Psych 196/197	MA Student Seminar	F 2012, 2014
Psych 202	Cognitive Neuroscience	S 2012, 2013, 2016; F 2016
Psych 205	Cognitive Core	S 2013

Biosci 20	Brain and Behavior	F 2006, 2008, 2010
Biosci 163/263	Neural Systems and Behavior	F 2007, 2009
English 118/218	Literature and the Brain	F 2012
Neurobio 101/201	Social & Ethical Issues in the Neurosciences	S 2014 – 2018
Neurobio 206	Neuroanatomy	W 2006 – present
SymSys 100/Psych 130	Introduction to Cognitive Science	S 2004
Law	Seminar on Law and the Biosciences	S 2013
Continuing Studies Program on <i>Memory</i> , Fall 2010		
Continuing Studies Program on <i>The Human Mind: Memory and Learning</i> , Spring 2004		

Massachusetts Institute of Technology

Course Instructor, Dept. of Brain and Cognitive Sciences

9.081	Human Learning and Memory; 2000, 2002
9.74	Foundations of Human Memory and Learning; 2001, 2002
9.912	Special Topics in Learning and Memory, 2001
9.93	Cognitive Neuroscience of Remembering: Creating and Controlling Memory, IAP 2002
9.012	Cognitive Neuroscience Core, 2000–2002 (Course Contributor)

Post-doctoral Fellows and Students

Post-doctoral Fellows and Research Associates

Ian Dobbins, Ph.D.	1999–2002 Professor, Dept. of Psychology, Washington University
Lila Davachi, Ph.D. * **	2000–2003 Professor, Dept. of Psychology, Columbia University
Silvia Bunge, Ph.D. *	2001–2003 Professor, Hellen Wills Neuroscience Institute & Dept. of Psychology, University of California, Berkeley
Brian Gonsalves, Ph.D. **	2002–2005 Asst. Professor, Dept. of Psychology, California State University, East Bay
Joseph Sala, Ph.D.	2004–2005 Scientist, Exponent, Menlo Park, CA
Daphna Shohamy, Ph.D. * **	2004–2007 Professor, Dept. of Psychology, Columbia University
Alison Preston, Ph.D. **	2004–2007 Professor, Center for Learning & Memory, Univ. of Texas
Jesse Rissman, Ph.D. **	2007–2011 Associate Professor, Dept. of Psychology, UCLA
Melina Uncapher, Ph.D. ◆ **	2007–2015 Asst. Professor, UC San Francisco
Ben Levy, Ph.D. **	2008–2012 Associate Professor, Dept. of Psychology, University of San Francisco
Dharshan Kumaran, M.D./Ph.D. * * * *	2009–2010 Institute of Cognitive Neuroscience, Univ. College London
Bernhard Staresina, Ph.D. ◆ * *	2013–2014 Fellow (Asst Prof equivalent), Birmingham University, UK
Ben Bowles, Ph.D. ◇	2011–2013 Software Engineer, Quora
Valerie Carr, Ph.D. **	2008–2015 Associate Professor, Dept. of Psychology, San Jose State University
Marlieke van Kesteren, Ph.D. †	2013–2015 Grant Consultant, Evers+Manders Grant Consultants
Brett Foster, Ph.D.	2013–2016

Thackery Brown, Ph.D. Asst. Professor, Dept. of Neurosurgery, University of Pennsylvania
2013–2017

Scott Guerin, Ph.D. Asst. Professor, Dept. of Psychology, Georgia Tech University
2015–2017
Data Scientist, Google

Jiefeng Jiang, Ph.D. ** 2016–2019
Asst. Professor, Dept. of Psychological and Brain Sciences,
University of Iowa

Alexandra Trelle, Ph.D. 2017–
Kevin Madore, Ph.D. ** 2017–
Tammy Tran, Ph.D.~ 2019–
Nicole Hakim, Ph.D. 2021–
(Recipients of the *Cognitive Neuroscience Society Young Investigator Award; ◆Memory Disorders
Research Society Young Investigator Award; **NRSA postdoctoral fellowship; ◇ NSERC postdoctoral
fellowship; ~Alzheimer's Association Research Fellowship to Promote Diversity; * Welcome Trust
Fellowship; † NOW Rubicon grant)

Mentored Patient-Oriented Research Career Development (K23) Fellows

Geoffrey Kerchner, M.D., Ph.D. 2012–2014
Research Scientist, Genentech; Asst Professor, Stanford

Carolyn Fredericks, M.D., Ph.D. 2019–2020
Asst. Professor, Yale School of Medicine

Ph.D. and Masters Students

Dav Clark M.A., 2001-2002
Ph.D. student, Psychology, Univ. of California, Berkeley

David Badre* * 2000–2005
Assoc. Professor, Dept. of Psychology and Center for Linguistics
Sciences, Brown University

Itamar Kahn Ph.D., 2000–2005
Assoc. Professor, Dept. of Physiology and Biophysics, The
Technion

Nicole Dudukovic** Ph.D., 2003–2007
Instructor, Dept. of Psychology, Univ. of Oregon

Brice Kuhl** Ph.D., 2003–2009
Asst. Professor, Dept. of Psychology, Univ. of Oregon

Elizabeth Race** Ph.D., 2003–2009
Asst. Professor, Dept. of Psychology, Tufts University

Rosanna Olsen** Ph.D., 2004–2009
Research Scientist (Asst. Prof. equivalent) @ Rotman Institute,
University of Toronto

Ben Hutchinson Ph.D., 2006–2011
Asst. Professor, Dept. of Psychology, Univ. of Oregon

Janice Chen Ph.D., 2005–2011
Asst. Professor, Dept. of Psychological and Brain Sciences, Johns
Hopkins University

Alan Gordon**◇ Ph.D., 2007–2013
Scientist @ Google (Search Team)

Karen LaRocque**◇ Ph.D., 2010–2016
Data Scientist @ Instagram

Michael Waskom◇ Ph.D., 2011–2016
Postdoc @ NYU (Kiani Lab); Data Scientist, Flatiron Health

Alex Gonzalez**◇^{oo} Ph.D. 2011–2017
Postdoctoral fellow @ Stanford (Giocomo Lab)

Stephanie Gagnon** Ph.D., 2012–2017
Data Scientist @ Wayfair

Anna Khazenzon◇ Ph.D. 2014-2019

Shao-Fang Wang [^] ◇	Data Scientist @ Quizlet Ph.D. 2015-2021
Corey Fernandez [°] ∞◇	Data Scientist @ Lyra Health Ph.D., expected in 2022
Shaw Hsu [∞] ◇	Ph.D., expected in 2022
Tyler Bonnen ^{**} ◇ [∞] ⁺	Ph.D., expected in 2022
Marc Harrison ^{**} ◇	Ph.D., expected in 2022
Douglas Miller	Ph.D., expected in 2025
Shawn Schwartz	Ph.D., expected in 2026

(Recipients of: *Cognitive Neuroscience Society Young Investigator Award; *NDSEG, **NSF-GRF; °Stanford Graduate Fellowship; ∞Stanford Interdisciplinary Graduate Fellowship; °°Stanford DARE Fellowship; +NIH F99/K00; ^Taiwan Government Scholarship to Study Abroad graduate fellowship; ◇member of Stanford's Mind, Brain, & Computation training program)

Selected Undergraduate Students/RAs

Future Endeavors

Aaron Bornstein (Stanford)	Ph.D., Psychology, New York University Asst. Professor, Dept of Cognitive Sciences, UC Irvine
Tyler Boyd-Meredith (Stanford)**	Ph.D. student, Neuroscience, Princeton University
Sean Bruich (Stanford)	Nike, Inc.
Brittany Burrows (MIT)	Ph.D., Neuroscience, Stanford University
Janice Chen (MIT)	Ph.D., Stanford University Asst. Professor, Dept. of Psychological and Brain Sciences, JHU
Clementine Chou ^{**} °	
Tiffany Chow (Stanford)	Ph.D., Psychology, UCLA Postdoctoral fellow, UCSF
Nathan Clement (Stanford)**	Ph.D., Neuroscience, Duke University
Crystal Cook Reeck (Stanford)	Ph.D., Psychology, Duke University Asst. Professor of Marketing, Fox School of Business, Temple Univ.
Yudy Cristo (Stanford)	Participated via the Leadership Alliance Research Mentor program; Ph.D. student, Neuroscience, UC San Francisco
Jonathan Drucker (Stanford)	SymSys Program Summer Intern Award S2007; Ph.D. student, Psychology, Emory University
Sarah DuBrow (Stanford)	Ph.D., Psychology, New York University Asst. Professor, Dept of Psychology, University of Oregon
Laura Eldridge (Stanford)**	Ph.D., Psychology, UCLA
Madison Kist (Stanford)	Penn State College of Medicine
Fainberg, Nina (Stanford)**	M.D., Duke University
Favila, Serra (Stanford)**	Ph.D. student, New York University
Meghan Gaere (Stanford)	M.D., University of Virginia
Erica Griffith (Stanford)	Research Assistant, Stanford Memory Laboratory
Wanjia Guo (Stanford)	Ph.D. student, Psychology, University of Oregon
Jack Hunt (Stanford)	Bio-X Undergraduate Research Award S2007 M.D./Ph.D. student, University of Wisconsin
Ben Hutchinson (Stanford)	Ph.D., Psychology, Stanford University Asst. Professor, Dept. of Psychology, University of Oregon
Rachel Insler (Stanford)	Lot18 (www.lot18.com)
Manasi Jayakumar (Stanford)	Ph.D. student, Psychology, Columbia University
Nick Kelman (Stanford)	J.D., Stanford Law School
Sarah Laszlo (MIT)	Ph.D. student, Psychology, University Illinois, Urbana-Champaign
Gwen Lawson (Stanford)**	Human Biology Research Exploration Award S2007 Ph.D. student, Psychology, University of Pennsylvania
Anat Maril (MGH)	Ph.D., Psychology 2003, Harvard University; Associate Professor, Hebrew University
Eyal Ophir (Stanford)** °	Software engineer, Palo Alto, CA
Richard Prather (MIT)	Ph.D., Psychology, University of Wisconsin-Madison Asst. Professor, Dept of Human Development and Quantitative Methodology, University of Wisconsin-Madison

Julia Rathmann-Bloch** ° (Stanford)	Research Assistant, Stanford Memory Laboratory
Heather Rice (MIT)	Ph.D., Psychology, Duke University
Valerie Ross (Stanford)**	Grad student, Journalism Program, NYU
Austin Salcedo	Participated via Veteran Accelerator Summer Program; subsequent transfer into Stanford University
Arpeet Shah (Stanford)**	Human Biology Research Exploration Award S2007; awarded a VPUE Rose Hills Researcher grant 07-08; Stanford Medical School
Jennifer Shieh (MIT)	Ph.D., Neuroscience, Stanford University
Mary Smith (Stanford)	Ph.D., Psychology, UCSD
Daylon Tippett (Stanford)**	
Monica Thieu (Stanford)** °	Ph.D. student, Psychology, Columbia University
Jessica Wilson (Stanford)	Ph.D., Neuroscience, Duke University

(**Conducted honors or masters thesis research; °recipient of Firestone Award; note: the above is a subset of the undergrads who have contributed to our lab over the past 20 years)

Ongoing Research Support

Anthony D. Wagner, Co-PI (Mikael Johansson, Co-PI)
Learning and remembering: The cognitive neuroscience of memory for real-world events
 Marcus and Amalia Wallenberg Foundation
 07/01/16 – 12/30/21

Anthony D. Wagner, MPI (Elizabeth Mormino, Brian Rutt, MPIS)
Predicting healthy vs. pathological aging: Multimodal biomarkers of age-related memory change and risk for Alzheimer's disease
 Stanford Center for Precision Health and Integrated Diagnostics (PHIND)
 09/01/17 – 12/31/21

Anthony D. Wagner, PI
Age-related decline in interactions between context, cognitive control, and memory
 National Institute on Aging
 01/01/18 – 12/31/21 (1R21AG058111-01)

Anthony D. Wagner, Co-Investigator (Elizabeth Mormino, PI)
The impact of early medial temporal lobe Tau in human cognitive aging
 National Institute on Aging
 03/15/18 – 02/28/22 (1R21AG058859-01)

Anthony D. Wagner, Co-Investigator (Joseph Parvizi, PI)
Experimental study of goal-directed behavior and memory during temporal lobe epileptic activity
 National Institutes of Health
 10/01/20 – 09/30/22 (R21-NS113024-01A1)

Anthony D. Wagner, PI
Effects of attention and goal-state lapses on memory in healthy and pathological aging
 National Institute on Aging
 04/01/20 – 02/28/25 (1R01AG065255)

Pending

Anthony D. Wagner, Co-Investigator (Elizabeth Mormino, PI)
Hippocampal-dependent memory decline in aging and early Alzheimer's disease
 National Institutes of Health – R01
 04/21

Anthony D. Wagner, Co-Investigator (Joseph Parvizi, PI)
Causal mapping of midline cortical interactions during retrieval of emotional memories

National Institutes of Health – R01
06/21

Completed Research Support

Anthony D. Wagner, MPI (Melina R. Uncapher, MPI)
Multi-modal study of cognitive and neural differences in media multitaskers
National Institute of Mental Health
08/11/17 – 07/31/21 (1R56MH111672-01A1)

Anthony D. Wagner, PI
High-resolution imaging of hippocampal mechanisms in age-related memory decline
National Institute on Aging
09/10/14 – 04/30/21 (1R01AG048076-05)

Anthony D. Wagner, MPI (Elizabeth Mormino, MPI)
The impact of early medial temporal lobe Tau in human cognitive aging
Stanford Neuroscience Institute Seed Grant
10/01/17 – 09/30/19

Anthony D. Wagner, PI
Detection of pre-symptomatic Alzheimer's disease using 7-tesla MRI
Charles A. Dana Foundation
09/10/14 – 09/10/18

Anthony D. Wagner, Co-PI (Josef Parvizi, PI)
Intracranial electrophysiology and electrical stimulation of the human default mode network
National Science Foundation
06/01/14 – 05/31/18 (BCS1358907)

Anthony D. Wagner, Co-Investigator (Josef Parvizi, PI)
Memory, attention, and default mode processes in human posteromedial cortex
National Institute of Neurological Disorders and Stroke
03/01/12 – 02/28/18 (1R01NS078396-01)

Anthony D. Wagner, PI
Hippocampal structure and function in cognitive impairment
McKnight Endowment Fund Memory and Cognitive Disorders Award
02/01/13 – 01/31/18

Anthony D. Wagner, MPI (Ian Gotlib, MPI)
Neural networks underlying impaired information gating in major depression
National Institute of Mental Health
09/04/14 – 08/31/17 (1R21MH102696)

Anthony D. Wagner, Co-PI (Craig Heller, PI)
Event narratives and learning: Spatial, temporal, and contextual processing
Network on Culture, Brain, & Learning: The Wallenberg Network Initiative
09/01/11 – 08/31/17

Anthony D. Wagner, PI
Lie and memory detection working group
MacArthur Foundation's Research Network on Law and Neuroscience
07/01/15 – 12/15/16

Anthony D. Wagner, PI
Drawing on the past to navigate the future: Neural, cognitive, and affective mechanisms of prospection
Prospection Psychology: University of Pennsylvania and the John Templeton Foundation

10/01/14 – 8/31/16

Anthony D. Wagner, PI
Media multitasking, attention, and memory
 National Institute of Mental Health
 09/20/12 – 07/31/16 (1R21MH099812-01)

Anthony D. Wagner, PI
Lie and memory detection working group
 MacArthur Foundation's Network on Law and Neuroscience
 09/01/11 – 06/30/15

Anthony D. Wagner, collaborator and subcontract-PI (Russell A. Poldrack, PI)
CRCNS data sharing: An open data repository for cognitive neuroscience: The OpenfMRI project
 National Science Foundation
 09/01/11 – 08/31/15 (OCI-1130086)

Anthony D. Wagner, PI
High-resolution fMRI of medial temporal lobe mechanisms in declarative memory
 National Institute of Mental Health
 02/01/07 – 12/31/13 (5R01-MH076932)

Anthony D. Wagner, Co-PI (Geoffrey A. Kerchner, PI)
Structural and functional correlates of episodic memory impairment in preclinical Alzheimer's disease
 Stanford Institute for Neuro-Innovation and Translational Neurosciences/Johnson & Johnson
 05/01/11 – 04/31/13

Anthony D. Wagner, PI
Neurobiological mechanisms subserving episodic and incremental learning
 National Institute of Mental Health
 04/16/07 – 12/31/12 (5R01-MH080309)

Anthony D. Wagner, PI
Detecting real-world autobiographical memories with fMRI multi-voxel pattern analysis
 MacArthur Foundation's Law and Neuroscience Project
 05/1/10 – 06/30/11

Anthony D. Wagner, P.I.
Detecting individual memories: Exploring the feasibility of decoding mnemonic states based on distributed patterns of fMRI brain activity
 MacArthur Foundation's Law and Neuroscience Project
 12/01/08 – 06/30/11

Anthony D. Wagner, subcontract-P.I. (Michael Anderson, P.I.)
Mechanisms underlying the control of reflexive orienting in human memory
 National Science Foundation
 09/01/08 – 07/31/11 (BCS-0643321)

Ian Gotlib, PI
Neural and behavioral aspects of information-processing biases in depression
 National Institute of Mental Health
 01/1/07 – 12/31/11 (R01-MH059259)
 Role: Collaborator

Anthony D. Wagner, P.I.
Declarative memory in schizophrenia: fMRI of hippocampal subfield function
 National Alliance for Research on Schizophrenia and Depression
 09/15/05 – 9/14/10

Anthony D. Wagner, P.I.
Research fellowship
 Alfred P. Sloan Foundation
 09/16/04 – 09/15/10 (BR-4430)

Anthony D. Wagner, P.I.
Learning in the digital world: The impact of social belief on the neurophysiology of memory
 Media-X, Stanford University
 10/15/07 – 12/01/08

Anthony D. Wagner, P.I.
Multimodal neuroimaging of cognitive and mnemonic control
 National Science Foundation
 07/01/02 – 06/30/07 (BCS-0401641)

Anthony D. Wagner, P.I.
Mechanisms of memory formation: Prefrontal contributions to episodic encoding
 McKnight Endowment Fund for Neuroscience
 07/01/01 – 06/30/06

Anthony D. Wagner, P.I.
Age-related changes in the functional neurobiology of memory
 The Ellison Medical Foundation
 08/01/00 – 09/30/05

Anthony D. Wagner, P.I.
Working memory contributions to phonological representation and memory encoding
 National Institute on Deafness and Other Communication Disorders (NIDCD)
 05/01/00 – 04/30/03 (R03-DC04466)

Anthony D. Wagner, PI
Memory illusions and distortions in aging
 National Institute on Aging (NIA), National Research Service Award
 09/01/97 – 12/31/99

Daniel L. Schacter, P.I.; Anthony D. Wagner (subcontract P.I.)
Event-related neuroimaging of human memory formation
 National Institute of Mental Health (NIMH)
 03/01/00 – 02/28/04 (R01-MH60941)

Mieke Verfaellie, P.I.; Anthony D. Wagner (subcontract P.I.)
Brain injury memory disorders research center
 National Institute of Neurological Disorders and Stroke (NINDS)
 03/01/99 – 02/28/04 (P50-NS26985-09A1)

Publications (<http://www.ncbi.nlm.nih.gov/myncbi/browse/collection/40483302/>)

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106. Uncapher, M. R., Boyd-Meredith, J. T., Chow, T. E., Rissman, J., & **Wagner, A. D.** (2015). Goal-directed modulation of neural memory patterns: Implications for fMRI-based memory detection. *Journal of Neuroscience*, *35*, 8531-8545. [\[link\]](#)
107. Chen, J., Cook, P. A., & **Wagner, A. D.** (2015). Prediction strength modulates responses in human area CA1 to sequence violations. *Journal of Neurophysiology*, *114*, 1227-1238. [\[link\]](#)
108. Gonzalez, A., Hutchinson, J. B., Uncapher, M., Chen, J., LaRocque, K., Foster, B., Rangarajan, V., Parvizi, J., & **Wagner, A. D.** (2015). Electrocortigraphy reveals the temporal dynamics of posterior parietal cortex activity during recognition memory decisions. *Proceedings of the National Academy of Sciences, USA*, *112*, 11066-11071. [\[link\]](#)
109. Brown, T. I., Carr, V. A., LaRocque, K. F., Favila, S. E., Gordon, A. M., Bowles, B., Bailenson, J. N., & **Wagner, A. D.** (2016). Prospective representation of navigational goals in the human hippocampus. *Science*, *352*, 1323-1326. [\[link\]](#)
110. Rissman, J., Chow, T. E., Reggente, N., & **Wagner, A. D.** (2016). Decoding fMRI signatures of real-world autobiographical memory retrieval. *Journal of Cognitive Neuroscience*, *28*, 604-620. [\[link\]](#)
111. Gagnon, S., & **Wagner, A. D.** (2016). Acute stress and episodic memory retrieval: Neurobiological mechanisms and behavioral consequences. *Annals of the New York Academy of Sciences*, *1369*, 55-75. [\[link\]](#)
112. Uncapher, M. R., Thieu, M., & **Wagner, A. D.** (2016). Media multitasking and memory: Differences in working memory and long-term memory. *Psychonomic Bulletin & Review*, *23*, 483-490. [\[link\]](#)
113. van Kesteren, M., Brown, T. I., & **Wagner, A. D.** (2016). Interactions between memory and new learning: Insights from fMRI multivoxel pattern analysis. *Frontiers in Systems Neuroscience*, *10*, 46. [\[link\]](#)
114. Brod, G., Lindenberger, U., **Wagner, A. D.**, & Shing, Y. L. (2016). Knowledge acquisition during exam preparation improves memory and modulates memory formation. *Journal of Neuroscience*, *36*, 8103-8111. [\[link\]](#)
115. Waskom, M. L., & **Wagner, A. D.** (2017). Distributed representation of context by intrinsic subnetworks in prefrontal cortex. *Proceedings of the National Academy of Sciences, USA*, *114*, 2030-2035. [\[link\]](#)
116. Waskom, M. L., Frank, M. C., & **Wagner, A. D.** (2017). Adaptive engagement of cognitive control in context-dependent decision-making. *Cerebral Cortex*, *27*, 1270-1284. [\[link\]](#)
117. Sacchet, M. D., Levy, B. J., Hamilton, J. P., Maksimovskiy, A., Hertel, P. T., Joormann, J., Anderson, M. C., **Wagner, A. D.**, & Gotlib, I. H. (2017). Cognitive and neural consequences of memory suppression in major depressive disorder. *Cognitive, Affective, & Behavioral Neuroscience*, *17*, 77-93. [\[link\]](#)

118. Brown, T. I., Uncapher, M. R., Chow, T. E., Eberhardt, J. L., & **Wagner, A. D.** (2017). Cognitive control, attention, and the other race effect in memory. *PLOS One*, *12*, e0173579. [\[link\]](#)
119. Carr, V. A., Bernstein, J. D., Favila, S. E., Rutt, B. K., Kerchner, G. A., & **Wagner, A. D.** (2017). Individual differences in associative memory among older adults explained by hippocampal subfield structure and function. *Proceedings of the National Academy of Sciences, USA*, *114*, 12075-12080. [\[link\]](#)
120. Uncapher, M. R., Lin, L., Rosen, L. D., Kirkorian, H. L., Baron, N. S., Bailey, K., Cantor, J., Strayer, D. L., Parsons, T., & **Wagner, A. D.** (2017). Media multitasking and cognitive, psychological, neural, and learning differences. *Pediatrics*, *140*, S62-S66. [\[link\]](#)
121. Parvizi, J., & **Wagner, A. D.** (2018). Memory, numbers, and action decision in human posterior parietal cortex. *Neuron*, *97*, 7-10. [\[link\]](#)
122. Brown, T. I., Rissman, J., Chow, T. E., Uncapher, M. R., & **Wagner, A. D.** (2018). Differential medial temporal lobe and parietal cortical contributions to real-world autobiographical episodic and autobiographical semantic memory. *Scientific Reports*, *8*, 6190. [\[link\]](#)
123. Uncapher, M. R., & **Wagner, A. D.** (2018). The minds and brains of media multitaskers: Current findings and future directions. *Proceedings of the National Academy of Sciences, USA*, *115*, 9889-9896. [\[link\]](#)
124. Jiang, J., **Wagner, A. D.**, & Egner, T. (2018). Integrated externally and internally generated task predictions jointly guide dorsolateral and dorsomedial prefrontal cortical mechanisms of cognitive control. *eLife* 2018; 7:e39497. [\[link\]](#)
125. van Kestern, M. T. R., Brown, T. I., & **Wagner, A. D.** (2018). Learned spatial schemas and prospective hippocampal activity support navigation after one-shot learning. *Frontiers in Human Neuroscience*, *12*, 486. [\[link\]](#)
126. Ballard, I., **Wagner, A. D.**, & McClure, S. M. (2019). Hippocampal pattern separation supports reinforcement learning. *Nature Communications*, *10*, 1073. [\[link\]](#)
127. Gagnon, S. A., Waskom, M. L., Brown, T. I., & **Wagner, A. D.** (2019). Stress impairs episodic retrieval by disrupting hippocampal and cortical mechanisms of remembering. *Cerebral Cortex*, *29*, 2947-2964. [\[link\]](#)
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129. Schultz, H., Tibon, R., LaRocque, K. F., Gagnon, S. A, **Wagner, A. D.**, & Staresina, B. P. (2019). Content tuning in the medial temporal lobe cortex: Voxels that perceive, retrieval. *eNeuro*, *6*. Pii: ENEURO.0291-19.2019. [\[link\]](#)
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132. Brown, T. I., Gagnon, S. A., & **Wagner, A. D.** (2020). Stress disrupts human hippocampal-prefrontal function during prospective spatial navigation and hinders flexible behavior. *Current Biology*, *30*, 1821-1833. [\[link\]](#)
133. Jiang, J., Wang, S-F., Guo, W., Fernandez, C., & **Wagner, A. D.** (2020). Prefrontal reinstatement of contextual task demand is predicted by separable hippocampal patterns. *Nature Communications*, *11*:2053. doi: 10.1038/s41467-020-15928-z. [\[link\]](#)
134. Trelle, A. N., Carr, V. A., Guerin, S. A., Thieu, M. K., Jayakumar, M., Guo, W., Nadiadwala, A., Corso, N. K., Hunt, M. P., Litovsky, C. P., Tanner, N. J., Deutsch, G. K., Bernstein, J. D., Harrison, M. B., Khazenzon, A. M., Jiang, J., Sha, S. J., Fredericks, C. A., Rutt, B. K., Mormino, E. C., Kerchner, G. A., & **Wagner, A. D.** (2020). Hippocampal and cortical mechanisms at retrieval explain variability in episodic remembering in older adults. *eLife*, *9*:e55335. doi: 10.7554/eLife.55335. [\[link\]](#)

135. Madore, K. P., Khazenzon, A. M., Backes, C. W., Jiang, J., Uncapher, M. R., Norcia, A. M., & **Wagner, A. D.** (2020). Memory failure predicted by attention lapsing and media multitasking. *Nature*, *587*, 87-91. [\[link\]](#)
136. Trelle, A. N., Carr, V. A., Wilson, E. N., Swarovski, M. S., Hunt, M. P., Toueg, T. N., Tran, T. T., Channappa, D., Corso, N. K., Thieu, M. K., Jayakumar, M., Nadiadwala, A., Guo, W., Tanner, N. J., Bernstein, J. D., Litovsky, C. P., Guerin, S. A., Khazenzon, A. M., Harrison, M. B., Rutt, B. K., Deutsch, G. K., Chin, F. T., Davidzon, G. A., Hall, J. N., Sha, S. J., Fredericks, C. A., Andreasson, K. I., Kerchner, G. A., ***Wagner, A. D.**, & ***Mormino, E. C.** (2021). Association of CSF biomarkers with hippocampal-dependent memory in preclinical Alzheimer's disease. *Neurology*, *96*, e1470-e1481. [\[link\]](#)
[*co-senior authors]
137. Mormino, E. C., Toueg, T. N., Azevedo, C., Castillo, J. B., Guo, W., Nadiadwala, A., Corso, N. K., Hall, J. N., Fan, A., Trelle, A. N., Harrison, M. B., Hunt, M. P., Sha, S. J., Deutsch, G., James, M., Fredericks, C. A., Koran, M. E., Zeineh, M., Poston, K., Greicius, M. D., Khalighi, M., Davidzon, G. A., Shen, B., Zaharchuk, G., **Wagner, A. D.**, & Chin, F. T. (2021). Tau PET imaging with ¹⁸F-PI-2620 in aging and neurodegenerative diseases. *European Journal of Nuclear Medicine and Molecular Imaging*, *48*, 2233-2244. [\[link\]](#)
138. Bonnen, T., Yamins, D. L. K., & **Wagner, A. D.** (in press). When the ventral visual stream is not enough: A deep learning account of medial temporal lobe involvement in perception. *Neuron*. [\[link\]](#)
139. Madore, K. P., & **Wagner, A. D.** (submitted). Readiness to remember: Predicting variability in episodic memory.
140. Wang, S-F., Carr, V. A., Favila, S. E., Bailenson, J. N., Brown, T. I., Jiang, J., & **Wagner, A. D.** (in revision). Representations of local spatial information in the human medial temporal lobe during memory-guided navigation.
141. Bramão I., Jiang, J., **Wagner, A. D.**, & Johansson, M. (submitted). Encoding contexts are incidentally reinstated during competitive retrieval and the temporal dynamics of memory interference.
142. Hsu, S., LaRocque, K. F., Racciah, O., Gonzalez, A., Parvizi, J., & **Wagner, A. D.** (in revision). Hippocampal pattern separation and associative memory: Distinct intracranial EEG temporal encoding patterns predict subsequent memory.

Books

1. Jones, O. D., Schall, J. D., Shen, F. X., Hoffman, M. B., & Wagner, A. D. *Brain Sciences for Lawyers, Judges, and Litigants*. In prep.
2. *Oxford Handbook of Human Memory*. M. J. Kahana & A. D. Wagner (Eds). Oxford University Press. In prep.

Chapters, Book Reviews, & Unpublished Stimulus Sets

1. Bjork, R. A., Schneider, D. M., and **Wagner, A. D.** (1992). Category norms for verbal items in 28 categories: A replication and updating of the Battig and Montague (1969) norms. Unpublished norms.
2. **Wagner, A. D.**, & Gabrieli, J. D. E. (1996). Beyond anecdotes: Understanding the neuropsychology of memory. [Review of *Neuropsychology of Memory*, Squire, L. R., & Butters, N., Eds.]. *Contemporary Psychology*, *41*, 152-154.
3. Schacter, D. L., **Wagner, A. D.**, & Buckner, R. L. (2000). Memory systems of 1999. In: E. Tulving & F.I.M. Craik (Eds.), *The Oxford Handbook of Memory* (pp. 627-643). New York: Oxford University Press.
4. **Wagner, A. D.** (2002). Cognitive control and episodic memory: Contributions from prefrontal cortex. L. R. Squire & D. L. Schacter (Eds.). *Neuropsychology of Memory (3rd ed.)*, pp. 174-192. New York: Guilford Press. [\[link\]](#)
5. **Wagner, A. D.**, & Koutstaal, W. (2002). Priming. In, V. S. Ramachandran (Ed.). *Encyclopedia of the Human Brain* (vol. 4, pp. 27-46). San Diego, CA: Academic Press. [\[link\]](#)
6. **Wagner, A. D.**, Bunge, S. A., & Badre, D. (2004). Cognitive control, semantic memory, and priming: Contributions from prefrontal cortex. In M. S. Gazzaniga (Ed.), *The Cognitive Neurosciences III*, pp. 709-728. Cambridge, MA: MIT Press. [\[link\]](#)
7. Preston, A. R., & **Wagner, A. D.** (2007). The medial temporal lobe and memory. In R. P. Kesner & J. L.

- Martinez (Eds.). *Neurobiology of Learning and Memory* (2nd ed.), pp. 305-337. Elsevier, Inc. [\[link\]](#)
8. **Wagner, A. D.** Encoding and retrieval from long-term memory. In E. E. Smith & S. M. Kosslyn (Eds.), *Cognition: Mind & Brain*. Pearson Education/Prentice Hall.
 9. Kuhl, B. A., & **Wagner, A. D.** (2009). Strategic control of memory. In L. R. Squire et al. (Ed). *Encyclopedia of Neuroscience, volume 9*, pp. 437-444. Oxford: Academic Press. [\[link\]](#)
 10. Kuhl, B. A., & **Wagner, A. D.** (2009). Forgetting and retrieval. In G. G. Berntson, J. T. Cacioppo (Eds.) *Handbook of Neuroscience for the Behavioral Sciences*. John Wiley and Sons. [\[link\]](#)
 11. Race, E. A., Kuhl, B. A., Badre, D., & **Wagner, A. D.** (2009). The dynamic interplay between cognitive control and memory. In M.S. Gazzaniga (Ed.), *The Cognitive Neurosciences, 4th ed*, pp. 705-724. Cambridge, MA: MIT Press. [\[link\]](#)
 12. Levy, B. J., Kuhl, B. A., & **Wagner, A. D.** (2010). The functional neuroimaging of forgetting. In S. Della Sala (Ed.), *Forgetting*, pp. 135-163. Hove and New York: Psychology Press. [\[link\]](#)
 13. **Wagner, A. D.** (2010). Can neuroscience identify lies? In J. S. Rakoff & M. S. Gazzaniga, *A Judge's Guide to Neuroscience: A Concise Introduction*. Federal Judiciary Center. [\[link\]](#)
 14. Schacter, D. L., & **Wagner, A. D.** (2012). Learning and memory. In E. R. Kandel, J. H. Schwartz, & T. M. Jessell (Eds.). *Principles of Neural Science (5th ed.)*, pp. 1441-1460. New York: McGraw Hill.
 15. Uncapher, M. R., Gordon, A. M., & **Wagner, A. D.** (2014). Parietal lobe mechanisms subserving episodic memory retrieval. In M.S. Gazzaniga & G. Mangun (Eds.), *The Cognitive Neurosciences, 5th ed.*, pp. 567-576. Cambridge, MA: MIT Press. [\[link\]](#)
 16. Jones, O. D., Bonnie, R. J., Casey, B. J., Davis, A., Faigman, D. L., Hoffman, M. B., Montague, R., Morse, S. J., Raichle, M. E., Richeson, J. A., Scott, E. S., Steinberg, L., Taylor-Thompson, K. A., **Wagner, A. D.**, & Yaffe, G. (2014). *Law and Neuroscience: Recommendations Submitted to the President's Bioethics Commission*, Journal of Law Biosci 224 (2014). [\[link\]](#)
 17. LaRocque, K. F., & **Wagner, A. D.** (2015). The medial temporal lobe and episodic memory. In A. W. Toga (Ed.), *Brain Mapping: An Encyclopedic Reference*, vol. 3, pp. 537-541. Academic Press: Elsevier.
 18. Madore, K. P., & **Wagner, A. D.** (2019). Multicosts of multitasking. *Cerebrum*. [\[link\]](#)
 19. Jones, O. D. & **Wagner, A. D.** (2020). Law and neuroscience: Progress, promise, and pitfalls. In D. Poeppel, G.R. Mangun, & M.S. Gazzaniga (Eds.), *The Cognitive Neurosciences, 6th ed*, pp. 1015-1025. Cambridge, MA: MIT Press. [\[link\]](#)
 20. Shohamy, D., Schacter, D. L., & **Wagner, A. D.** (2021). Learning and memory. In E. R. Kandel, J. D. Koester, S. H. Mack, & S. A. Siegelbaum (Eds.). *Principles of Neural Science (6th ed.)*. New York: McGraw Hill.

Invited Symposia and Colloquia

Symposia and Invited Addresses

- Interval Research Corporation; October 1994. *Neuroimaging of higher cognitive processes: The encoding and retrieval of memory*.
- Boston Hippocampus Club; May 1998. *Medial temporal and prefrontal encoding activation predicts whether experiences are remembered or forgotten*.
- Symposium on "HERA: Four Years Later;" Memory Disorders Research Society; Boston, MA; October 1998. *Prefrontal cortical activation demonstrates encoding/retrieval parallels and predicts subsequent memorability*.
- Co-organizer (with B. Rosen) and participant in symposium on "Functional Neuroanatomy of Human Learning;" 2nd Annual Chinese–American Frontiers of Science Symposium; Beijing, China, August 1999. *Human learning and memory: Insights from functional MRI*.
- Massachusetts Neuropsychological Society; Boston, MA; October 1999. *How do we encode new memories: Insights from fMRI*.
- Symposium on the "Cognitive Neuroscience of Memory;" Experimental Psychological Society, London; January 2000. *The cognitive and neuroanatomical architectures of memory: Insights from functional neuroimaging*.

- Symposium on the “Neural Substrates of Multiple Forms of Human Memory”; Annual Meeting of the Society for Neuroscience, New Orleans; November 2000. *Explicit memory and priming: Insights from neuroimaging.*
- Symposium on “Developments in fMRI Paradigm Design”; Organization of Human Brain Mapping Education Program, Brighton, England; June 2001.
- Symposium on “Familiarity & Recollection/Item & Associative Memory”; Liverpool University Memory Symposium, Liverpool, England; June 2001. *Remember the source: Neural correlates of memory with and without source recollection.*
- Symposium on “Multiple Perspectives on the ‘Subsequent Memory’ Paradigm: How Our Science is Shaped by Our Methods and What We can do about This?”; Evoked Potentials International Conference XIII, Paris, France; July 2001. *Building memories: fMRI correlates of subsequent memory.*
- Symposium on “Functional Neuroimaging of Memory”; International Conference on Memory–3, Valencia, Spain; July 2001. *Recovering meaning: Prefrontal contributions to semantic retrieval and selection.*
- Colloquium on the Biology of Aging, The Ellison Medical Foundation and Marine Biological Laboratory; Woods Hole, August 2001. *Building and retrieving memories: Age-related functional neurobiological changes.*
- Chair of symposium on “Imaging the Human Mind;” 4th Annual Japanese–American Frontiers of Science Symposium; Tokyo, Japan; October 2001.
- Co-organizer (with M. Anderson) and participant in symposium on “Executive Control and Long-Term Memory;” Memory Disorders Research Society; Boston, MA; October 2001. *Recovering meaning: Prefrontal contributions to semantic retrieval and selection.*
- *The facts behind Memento: Memory in humans.* Brain and Cognitive Sciences Society of MIT. December 2001.
- Symposium on “Functional Neuroimaging of Cognition”; 2002 American Association for the Advancement of Science Annual Meeting, Boston, MA; February 2002. *Building and retrieving memories: Neuroimaging insights into the cognitive neuroscience of memory.*
- Keynote speaker, Mount Holyoke College’s Psi Chi Undergraduate Research Conference, Mount Holyoke, MA; April 2002. *Building memories: Multiple routes to remembering.*
- Invited speaker, Conference on Learning & the Brain, Boston, MA; May 2002. *Building memories: Multiple routes to remembering.*
- Invited speaker, Conference on “Binding in Human Memory: A Neurocognitive Approach”, Saarland University, Saarbrücken, Germany; May 2002. *Building memories: Separable mechanisms for memory with and without recollection.*
- Invited faculty/speaker, Summer Institute in Cognitive Neuroscience at Dartmouth, June 2002. *Multiple routes to remembering: Memory with and without recollection.*
- Keynote address, International Conference on Cognitive Neuroscience (ICON8), Porquerolles, France; September 2002. *Memory with and without recollection.*
- Symposium on “Neural correlates of priming and other forms of non-declarative memory”; Memory Disorders Research Society; San Francisco, CA; October 2002. *Priming specificity: Insights into representation and process.*
- Symposium on “Episodic Encoding: A Cross Species Perspective”; Winter Conference on the Neurobiology of Learning and Memory, Park City, UT; January 2003. *Multiple routes to memory: Functional heterogeneity in human MTL.*
- Symposium on “Neuroimaging: Memory and Information Processing”; 28th Annual Interdisciplinary Conference, Jackson Hole, WY; February 2003. *The cognitive neuroscience of memory with and without recollection.*
- Symposium on Neuroscience, Aging, and Cognition; New York; March 2003. *Cognitive control, prefrontal cortex, and aging.*
- Invited speaker, Conference on Learning & the Brain, Boston, MA; May 2003. *Building memories: Remembering visual and verbal events.*
- Invited faculty/speaker, Summer Institute in Cognitive Neuroscience, Lake Tahoe, CA; July 2003. *Cognitive control, semantic memory, and priming: Contributions from prefrontal cortex.*

- Symposium on "Imaging the Brain: Neurons, Networks, and Behavior"; Center for Neural Science Symposium at New York University; September 2003. *Building and Retrieving Memories: PFC and MTL Contributions*.
- Symposium titled "Familiarity Forum"; Memory Disorders Research Society, Chicago, IL; October 2003. *Imaging Familiarity: Predictions and Observations*.
- Symposium on "Past, Present and Future: Interactions Between Prefrontal Cortex and Hippocampus in Higher Cognitive Function"; Winter Conference on Brain Research; Copper Mountain, CO; January 2004.
- Invited speaker, "Frontiers in Neuroscience"; Montreal Neurological Institute's Annual Retreat, Tremblant, Quebec; February 2004.
- Workshop on "Data Storage, Retrieval, and Processing in Biological Systems"; DARPA/IPTO; March 2004.
- Invited faculty/speaker, RIKEN Brain Science Institute's Summer Program Lecture Course; Tokyo, Japan; July 2004.
- Invited speaker, Oxford Autumn School in Cognitive Neuroscience; Oxford University; September 2004. *The Cognitive Neuroscience of Remembering*.
- Symposium on "What is the role of the parietal cortex in memory retrieval"; Memory Disorders Research Society, New York; October 2004. *fMRI and MEG Correlates of Recollection and Familiarity*.
- Invited speaker, Symposium on "The Anatomy of Cognition"; International Congress on Schizophrenia Research, Savannah, GA; April 2005.
- Invited speaker, Cantoblanco Workshops on Biology, Madrid, Spain; December 2005.
- Invited speaker, Federal Judges Seminar, Stanford Law School; January 2006.
- Invited speaker, Winter Conference on Neural Plasticity, Barbados; February 2006.
- Invited speaker, Workshop on Executive Function, University of British Columbia, April 2006.
- Invited speaker, Pre-Organization for Human Brain Mapping Educational Workshop; Florence, Italy; June 2006.
- Invited speaker, The Psychological Concept of Memory in Neuroimaging, Marburg, Germany; August 2006.
- Invited speaker, Workshop on Multidisciplinary perspectives on transfer, expertise, and innovation; NSF Science of Learning Centers (SLC) program; November 2006.
- Invited speaker, AAAS Seminar on Neuroscience and the Law; December 2006.
- Speaker, Symposium on MTL Function; Winter Conference on Neural Plasticity, Moorea, Tahiti; February 2007.
- Participant, CNTRICS meeting on Cognitive Mechanisms in Schizophrenia; February 2007.
- Plenary speaker, International Congress on Schizophrenia Research, Colorado Springs, CO; March 2007. *The Cognitive Neuroscience of Remembering*.
- Invited speaker, Workshop on the Functional Organization of the MTL; Center for Memory and Brain, Boston University; May 2007.
- Invited speaker, Annual Meeting of the American Psychological Association; August 2007. *The Cognitive Neuroscience of Remembering*.
- Speaker, MacArthur Foundation Law and Neuroscience Project; September 2007.
- Participant, CNTRICS II meeting on Cognitive Mechanisms in Schizophrenia; September 2007.
- Speaker, Symposium on "Prefrontal Cortical Function and Multiple Memory Systems"; Winter Conference on the Neurobiology of Learning and Memory, Park City, UT; January 2008. *Prefrontal cortical modulation of declarative and non-declarative memory*.
- Symposium chair and presenter, "Neuroscience, Emotions and Modulation"; 6th Media X Annual Meeting; Stanford, CA; March 2008.
- Invited speaker, Federal Judges Seminar, Stanford Law School; June 2008.
- Invited faculty/speaker, Summer Institute in Cognitive Neuroscience, Lake Tahoe, CA; July 2008. *Cognitive control and memory: Reciprocal influences*.
- Symposium organizer and speaker, "Hierarchical Models of Cognitive Control and Frontal Lobe Function"; Memory Disorders Research Society; St. Louis, MO; September 2008.
- Speaker, Symposium on "Graded Recollection: Evidence from Behavioral, Neuroimaging, and Modeling"; Memory Disorders Research Society; St. Louis, MO; September 2008.

- Guest speaker, “Successful remembering and successful forgetting: A Festschrift in honor of Robert A Bjork”; UCLA; January 2009.
- Organizer and speaker, “New Advances in Understanding Memory”; Annual meeting of the Association for Psychological Science; May 2009.
- Speaker, Symposium on “Information representation in prefrontal cortex: What, where, and why”; Annual meeting of the Organization for Human Brain Mapping; June 2009.
- Panelist, Cognitive and Social Effects of Media Multitasking; NSF Seminar on the Impacts of Media Multitasking on Children’s Learning and Development, Stanford University; July 2009.
- Invited speaker, Stanford Reunion Homecoming; *Remembering and the Brain: Can Brain Scans Detect Memories?*; October 2009.
- Invited speaker, Symposium on Memory and Law; Univ. of Arizona; January 22-23, 2010.
- Invited speaker, Symposium on Cognitive Neuroscience, Neuroimaging, and the Law: Is a Picture Worth a Thousand Words?; Annual Meeting of the International Neuropsychological Society; Acapulco, Mexico; February 3-5, 2010.
- Invited speaker, *Parietal lobe contributions to recognition memory*; Symposium on Recognition Memory; MRC Centre for Synaptic Plasticity and Bristol-Cardiff Cognitive Neuroscience; Bristol, England; July 1-2, 2010.
- Discussant, Symposium on Role of Dopamine in LTP and Learning; Brandeis Univ., October 3-5, 2010
- Panelist, SIGNS Symposium on Neuroscience Evidence in the Courtroom, October 25, 2010.
- Speaker, 2011 Symposium on Music and the Brain: Memory, Stanford University, March 4-5, 2011.
- Invited speaker, Second Raymond and Beverly Sackler U.S.A.-U.K. Scientific Forum: Neuroscience and Law. National Academies Beckman Center, Irvine, CA: March 2-3, 2011.
- Invited speaker, Symposium on Neuroscience, Learning, and Education; Beijing, China; May 16-17, 2011.
- Invited speaker, Presidential Commission for the Study of Bioethical Issues, Feb 3, 2012.
- Invited speaker, Integrative Center for Learning and Memory, UCLA, Mar 5-6, 2012.
- Co-organizer, Stanford Center for Cognitive and Neurobiological Imaging Inaugural Symposium, Mar 22-23, 2012.
- Invited faculty, Summer Institute in Cognitive Neuroscience, Santa Barbara, July 2-4, 2012.
- Speaker, Symposium on “Searching for the Engram: Can Distributed Pattern Analyses Reveal the Nature of Episodic Memory Representations?”; Memory Disorders Research Society, Sept 6, 2012.
- Participant, Keck Futures Initiative on The Informed Brain in a Digital World; Nov 14-17, 2012.
- Invited speaker, Colloquium on Law, Neuroscience, and Criminal Justice, Stanford Law School, March 14-15, 2013.
- Speaker, Symposium on “Neuroscience and Law: Promise and Perils”; Annual Meeting of the Cognitive Neuroscience Society; April 13-16, 2013.
- Participant, World Science Festival, session on “Brains on Trial”; New York, NY, Jun 1, 2013.
- Section organizer, *Memory*; Summer Institute in Cognitive Neuroscience, Lake Tahoe, July 4-5, 2013.
- Donders Lecture: *The Cognitive Neuroscience of Remembering*, Donders Institute for Brain, Cognition and Behaviour; September 2013.
- Participant, Brains on Trial: A Panel Discussion Moderated by Alan Alda, Stanford University, October 2013.
- Participant, Federal Judges Conference, Vanderbilt University, February 6-7, 2014.
- Participant, Law and Neuroscience Symposium; National Bar Association; July 29, 2014.
- Participant, Symposium on “Wallenberg Network Initiative on Culture, Brain, and Learning”; Lund, Sweden. November 2014.
- Organizer, Stanford Center for Mind, Brain, and Computation 2015 Symposium, “Computational Mechanisms of Learning and Memory”; March 4, 2015.
- Invited Speaker, Neuroscience and Public Policy Seminar, University of Wisconsin-Madison, May 8, 2015.
- Keynote Speaker, Stanford Undergraduate Psychology Conference (SUPC), May 16, 2015.
- Speaker, *Media multi-tasking: Are there effects on attention, memory, and the brain?* Classes Without Quizzes; Stanford Reunion Homecoming Weekend, October 23, 2015.

- Visiting Scholar and Invited Speaker; School of Psychology, Southwest University, Chongqing, China, March 14-20, 2016.
- Speaker, Palo Alto Rotary Club, April 25, 2016.
- Speaker, *Augmenting Personal Intelligence* Media-X Conference, Stanford University, May 17, 2016.
- Speaker, *Medial Temporal Lobe Structure and Function Predict Age-Related Memory Decline*. McKnight Fund for Neuroscience Annual Meeting, Minneapolis, MN, May 22, 2016.
- Speaker, Sackler Summer Institute, Weill Cornell Medical College, July 12, 2016.
- Speaker, National Academy of Sciences Committee on Science, Technology, and Law. October 18, 2016.
- Participant, *The Institute: Neurosociety*, with David Byrne & Mala Gaonkar, Stanford Art Institutes, October 19, 2016.
- Speaker, Symposium on Assessing Neurolaw: Promise, Accomplishments, and Limits. American Association of Law Schools, January 4, 2017.
- Speaker, Symposium on Memory and the Cognitive Map, Charles River Association for Memory (CRAM), Boston MA, May 10, 2017.
- Speaker, *Neural time travel: Projecting to the past and future*. Wonderfest, November 20, 2017.
- Speaker, Stanford Distinguished Careers Institute, February 8, 2018.
- Speaker, Stanford Alumni Association San Rafael Valley, May 3, 2018.
- Speaker, *Media Multitasking: Are there effects on cognition?*, Symposium on “Cognition in the Internet Age”, Association for Psychological Science. May 26, 2018.
- Speaker, National Academy of Sciences Distinctive Voices Lecture Series, March 27, 2019.

Departmental Colloquia

- Department of Psychology, Boston University; December 1997.
- Department of Psychology, University of California, Los Angeles; November 1998.
- Department of Psychology, Princeton University; January 1999.
- Department of Brain and Cognitive Sciences, M.I.T., February 1999.
- Center for Cognitive Neuroscience, Duke University, March 1999.
- Department of Psychology, Washington University, March 1999.
- Department of Psychology, University of Illinois, Champaign-Urbana, May 1999.
- Department of Epileptology & Neurosurgery, University of Bonn, Germany, June 1999.
- Department of Psychology, Yale University, November 1999.
- Eunice Kennedy Shriver Center, February 2000.
- University of Connecticut Health Center, May 2000.
- Center for Cognitive Neuroscience, University of Pennsylvania, December 2000.
- Center for Complex Systems, Brandeis University, January 2001.
- Division of Cognitive and Behavioral Neurology, Brigham & Women’s Hospital, October 2001
- Department of Psychology, University of Michigan, November 2001
- Department of Psychology, University of Virginia, December 2001
- Brown Neuroscience Graduate Student Seminar, Brown University, February 2002
- Department of Psychology, Stanford University, February 2002
- Department of Psychological and Brain Sciences, Johns Hopkins University, October 2002
- Center for Memory and Brain, Boston University; March 2003
- Redwood Neuroscience Institute, November 2003
- Dept. of Psychology & Institute for Cognitive and Brain Sciences, UC Berkeley; April 2004
- Rushton Lecture Series, Program in Neuroscience, Florida State University; March 2005
- Center for Basic Neuroscience, University of Texas, Southwestern; September 2005
- University of Texas Health Sciences Center; October 2005
- Center for Neurobiology of Learning and Memory, University of California, Irvine; January 2006
- Neuroscience Seminar Series, University of Cincinnati; March 2006
- Department of Psychology, University of California, Davis; May 2006
- Department of Psychology, University of Illinois; March 2007
- Department of Psychology, University of California, San Diego; May 2007

- Behavioral Neurology Seminar, Memory & Aging Center, UC San Francisco, July 2008
- Institute of Cognitive Science, University of Colorado; October 2008
- Seminar Series in Neuroscience, University of Colorado; October 2008
- Molecular, Cellular, and Integrative Neurosciences, Colorado State University; October 2008
- Colloquium Series, University of Pittsburgh and Carnegie Mellon University; June 2009
- Computation and Neural Systems Seminar, CalTech; November 2009
- Department of Psychology, Columbia University; April 14, 2010
- Memory & Aging Center Grand Rounds, UC San Francisco; June 2010
- Department of Psychology, Harvard University; October 6, 2010
- Cognitive Neural Systems Talk Series, UC San Diego, April 19, 2011
- Great Minds Talk Series, Stanford Law School; November 30, 2011
- Memory & Aging Center Grand Rounds, UC San Francisco; March 2, 2012
- Neuro Research Conference; Radiology Talk Series, Stanford; April 2012
- Center for Cognitive Neuroscience, Duke University; May 10, 2012
- Department of Systems Neuroscience, University Medical Center Hamburg-Eppendorf; Aug 30, 2012
- Department of Psychology, Vanderbilt University; November 1, 2012
- Institute for Research in Cognitive Science, University of Pennsylvania; March 22, 2013
- Center for Vital Longevity, University of Texas at Dallas; April 29, 2013
- CELEST Symposium Series, Boston University; September 20, 2013
- University of Texas at Austin Neuroscience Seminar Series; April 21, 2014
- Attneave Lecture, Department of Psychology, University of Oregon, May 22, 2015
- Cognitive Neuroscience Talk Series, UC Berkeley, February 2, 2016
- Memory & Aging Center Grand Rounds, UC San Francisco; May 13, 2016
- Psychology Department, Carnegie Mellon University; March 20, 2017
- Center for Vital Longevity, University of Texas at Dallas; October 16, 2017
- Neuroscience Seminar Series, Neuroscience Program, Santa Clara University; May 8, 2019
- Speaker, Chaucer Club, Cambridge Brain Unit, University of Cambridge; November 28, 2019

Published Abstracts and Presentations

Wagner, A. D., Anderson, M. C., & Bjork, R. A. (1991). *Category-based inhibition in human memory*. Paper presented at the 5th National Conference on Undergraduate Research, Cal Tech, Pasadena, CA.

Wagner, A. D., & Bjork, R. A. (1992). *Maximizing recall: Does output order affect overall recall performance?* Paper presented at the First Annual UCLA Psychology Undergraduate Research Conference, Los Angeles, CA.

Wagner, A. D. (1994). *Negative priming: The effects of varying selection difficulty*. Paper presented at the 16th Annual Stanford-Berkeley Symposium on Cognitive Psychology, Stanford, CA.

Wagner, A. D., & Bower, G. H. (1994). *Easy target selection reduces negative priming*. Poster presented at the annual conference of the Psychonomic Society, St. Louis, MO.

Wagner, A. D., Verfaellie, M., Croce, P., & Gabrieli, J. D. E. (1994). Cognitive processes underlying recognition memory: Evidence for a specific impairment of recollection in amnesia. *Society for Neuroscience Abstracts*, 20, 1289.

Demb, J. B., Desmond, J. E., Wagner, A. D., Stone, M., Lee, A. T., Glover, G. H., & Gabrieli, J. D. E. (1994). A functional MRI (fMRI) study of semantic encoding and memory in the left inferior frontal gyrus. *Society for Neuroscience Abstracts*, 20, 1290.

Desmond, J. E., Gabrieli, J. D. E., Demb, J. B., Wagner, A. D., Mendius, J. R., Sum, J. M., Lee, A. T., Illes, J., & Glover, G. H. (1994). A functional MRI (fMRI) study of language lateralization in normal and Wada-tested subjects. *Society for Neuroscience Abstracts*, 20, 6.

Mendius, J. R., Sum, J. M., Desmond, J. E., Lee, A. T., Demb, J. B., Wagner, A. D., Illes, J., Gabrieli, J. D. E., & Glover, G. H. (1994). Localization of language using functional MRI in patients with complex partial seizures. *Epilepsia*, 35 (supplement 8), 87.

- Wagner, A. D., Stebbins, G. T., Burton, K. W., Fleischman, D. A., & Gabrieli, J. D. E. (1995). Anatomic and functional dissociations between recognition fluency and perceptual fluency. *Abstracts of the Cognitive Neuroscience Society*, 2, 41.
- Demb, J. B., Wagner, A. D., Desmond, J. E., Vaidya, C. J., Glover, G. H., & Gabrieli, J. D. E. (1995). Semantic encoding and retrieval in the left inferior prefrontal cortex: An fMRI study of task difficulty and process specificity. *Abstracts of the Cognitive Neuroscience Society*, 2, 59.
- Desmond, J. E., Sum, J. M., Wagner, A. D., Demb, J. B., Shear, P. K., Illes, J., Glover, G. H., Gabrieli, J. D. E., & Morrell, M. J. (1995). An fMRI study of language lateralization in Wada-tested patients. *Abstracts of the Cognitive Neuroscience Society*, 2, 60.
- Desmond, J. E., Sum, J. M., Wagner, A. D., Demb, J. B., Shear, P. K., Glover, G. H., Gabrieli, J. D. E., & Morrell, M. J. (1995). *Language lateralization in epileptic patients: A clinical application for functional MRI*. Proceedings of the fMRI Workshop, 54-63, San Francisco, CA.
- Wagner, A. D., Demb, J. B., Desmond, J. E., Glover, G. H., & Gabrieli, J. D. E. (1995). *A functional magnetic resonance imaging study of semantic working memory*. Poster presented at the annual conference of the American Psychological Society, New York, NY.
- Wagner, A. D. (1995). *Fluent processes underlying recognition judgments and perceptual priming*. Paper presented at the 17th Annual Stanford-Berkeley Symposium on Cognitive Psychology, Berkeley, CA.
- Wagner, A. D., Verfaellie, M., & Gabrieli, J. D. E. (1995). *Multiple fluency processes? Dissociations between fluency underlying recognition memory and perceptual identification*. Poster presented at the annual conference of the Psychonomic Society, Los Angeles, CA.
- Wagner, A. D., Gabrieli, J. D. E., Desmond, J. E., Demb, J. B., Stebbins, G. T., Turner, D. A., & Glover, G. H. (1995). Semantic encoding and retrieval of pictures and words: A functional MRI (fMRI) study of frontal cortex. *Society for Neuroscience Abstracts*, 21, 274.
- Desmond, J. E., Gabrieli, J. D. E., Ginier, B. L., Demb, J. B., Wagner, A. D., Enzmann, D. R., & Glover, G. H. (1995). A functional MRI (fMRI) study of cerebellum during motor and working memory tasks. *Society for Neuroscience Abstracts*, 21, 1210.
- Gabrieli, J. D. E., Wagner, A. D., Stebbins, G. T., Burton, K. W., & Fleischman, D. A. (1995). Neuropsychological dissociation between perceptual fluency and recognition fluency in long-term memory. *Society for Neuroscience Abstracts*, 21, 753.
- Wagner, A. D., Illes, J., Desmond, J. E., Lee, C. J., Glover, G. H., & Gabrieli, J. D. E. (1996). A functional MRI study of semantic processing in bilinguals. *NeuroImage*, 3, S465.
- Gabrieli, J. D. E., & Wagner, A. D. (1996). *Dissociations between familiarity processes in explicit-recognition and implicit-perceptual memory*. Paper presented at the International Conference on Memory, Padua, Italy.
- Wagner, A. D., Gabrieli, J. D. E., Desmond, J. E., Joaquim, S., & Glover, G. H. (1996). Prefrontal mediation of episodic memory performance. *Society for Neuroscience Abstracts*, 22, 719.
- Desmond, J. E., Gabrieli, J. D. E., Sobel, N., Rabin, L. A., Wagner, A. D., Seger, C. A., & Glover, G. H. (1996). An fMRI study of frontal cortex and cerebellum during semantic and working memory tasks. *Society for Neuroscience Abstracts*, 22, 1111.
- Gabrieli, J. D. E., Sullivan, E. V., Desmond, J. E., Stebbins, G. T., Vaidya, C. J., Keane, M. M., Wagner, A. D., Zarella, M. M., Glover, G. H., & Pfefferbaum, A. (1996). Behavioral and functional neuroimaging evidence for preserved conceptual implicit memory in global amnesia. *Society for Neuroscience Abstracts*, 22, 1449.
- Wagner, A. D., Buckner, R. L., Koutstaal, W., Schacter, D. L., Gabrieli, J. D. E., & Rosen, B. R. (1997). An fMRI study of within- and across-task item repetition during semantic classification. *Abstracts of the Cognitive Neuroscience Society*, 4, 68.
- Wagner, A. D., Poldrack, R. A., Desmond, J. E., Glover, G. H., & Gabrieli, J. D. E. (1997). An fMRI study of prefrontal activation during retrieval of verbal and non-verbal episodic memory. *Society for Neuroscience Abstracts*, 23, 492.
- Pull, M. W., Poldrack, R. A., Wagner, A. D., Desmond, J. E., Glover, G. H., Gabrieli, J. D. E., & Fleischman, D. A. (1997). Semantic and phonological processing in prefrontal cortex: An fMRI study. *Society for Neuroscience Abstracts*, 23, 493.

- Desmond, J. E., Gabrieli, J. D. E., Stone, M., Wagner, A. D., & Glover, G. H. (1997). An fMRI study of cerebellum and frontal cortex during a word stem completion task. *Society for Neuroscience Abstracts*, 23, 210.
- Gabrieli, J. D. E., Kang, E., Rypma, B., Prabhakaran, V., Wagner, A. D., Desmond, J. E., & Glover, G. H. (1997). Common right prefrontal processes involved in episodic retrieval, working memory, and reasoning. *Society for Neuroscience Abstracts*, 23, 1679.
- Buckner, R. L., Koutstaal, W., Dale, A. M., Schacter, D. L., Wagner, A. D., & Rosen, B. R. (1997). Anterior prefrontal contributions to episodic memory explored with fMRI and analysis of averaged single-trials. *Society for Neuroscience Abstracts*, 23, 565.
- Wagner, A. D., Bower, G. H., Desmond, J. E., Glover, G. H., & Gabrieli, J. D. E. (1997). Episodic retrieval and prefrontal cortex: Evidence for context-dependent retrieval processes. *Abstracts of the Psychonomic Society*, 2, 28.
- Prull, M. W., Wagner, A. D., & Gabrieli, J. D. E. (1997). Familiarity in speeded recognition is not form specific. *Abstracts of the Psychonomic Society*, 2, 6.
- Gabrieli, J. D. E., Prabhakaran, V., Rypma, B., Wagner, A. D., Kang, E., & Desmond, J. E. (1997). Attention to thought: Functional magnetic resonance imaging (fMRI) evidence. *Abstracts of the Psychonomic Society*, 2, 28.
- Wagner, A. D., Stebbins, G. T., Carrillo, M. C., Dirksen, C., Gabrieli, J. D. E., & Schacter, D. L. (1998). Veridical and illusory recognition memory impairments in Parkinson's disease. *Abstracts of the Cognitive Neuroscience Society*, 5, 57.
- Dorfman, J., Wagner, A. D., Stebbins, G. T., Dirksen, C., Turner, D., Glover, G. H., Desmond, J. E., & Gabrieli, J. D. E. (1998). Recognition memory in the inclusion-exclusion paradigm: An fMRI study. *Abstracts of the Cognitive Neuroscience Society*, 5, 51.
- Rotte, M., Koutstaal, W., Buckner, R. L., Wagner, A. D., Dale, A. M., Rosen, B. R., Tibbs, K., & Schacter, D. L. (1998). Prefrontal activation during encoding correlates with level of processing using event-related fMRI. *Abstracts of the Cognitive Neuroscience Society*, 5, 52.
- Wagner, A. D., Koutstaal, W., Rotte, M., Buckner, R. L., Tibbs, K., Rosen, B. R., & Schacter, D. L. (1998). Anterior prefrontal cortex and episodic recognition memory: Effects of varying time allowed for retrieval. *NeuroImage*, 7, S827.
- Goodman, J. M., Wagner, A. D., Kwong, K., Weisskoff, R. M., & Rosen, B. R. (1998). The relationship of BOLD and flow sensitive fMRI across sensory and association cortices during a semantic decision task. *NeuroImage*, 7, S264.
- Rotte, M., Koutstaal, W., Schacter, D. L., Wagner, A. D., Rosen, B. R., Dale, A. M., & Buckner, R. L. (1998). Left prefrontal activation correlates with levels of processing during verbal encoding: An event-related fMRI study. *NeuroImage*, 7, S813.
- Wagner, A. D., Rotte, M., Koutstaal, W., Maril, A., Schacter, D. L., Rosen, B. R., & Buckner, R. L. (1998). Human memory encoding: Left prefrontal and temporal activation correlates with subsequent memory using event-related fMRI. *Society for Neuroscience Abstracts*, 24, 761.
- Buckner, R. L., Wagner, A. D., Koutstaal, W., Schacter, D. L., & Rosen, B. R. (1998). Human memory encoding: The levels of processing effect explored with block-trial fMRI. *Society for Neuroscience Abstracts*, 24, 760.
- Gabrieli, J. D. E., Poldrack, R. A., & Wagner, A. D. (1998). Material specific and nonspecific prefrontal activations associated with encoding and retrieval of episodic memories. *Society for Neuroscience Abstracts*, 24, 761.
- Wagner, A. D., Maril, A., Dale, A. M., Rosen, B. R., & Schacter, D. L. (1999). Negative consequences of priming for new episodic learning: An fMRI study of the spacing effect. *Abstracts of the Cognitive Neuroscience Society*, 6, 38.
- Kirchhoff, B. A., Wagner, A. D., Maril, A., & Stern, C. E. (1999). A fMRI study of frontal and medial temporal activation during picture and word encoding. *Abstracts of the Cognitive Neuroscience Society*, 6, 21.
- Koutstaal, W., Wagner, A. D., Rotte, M., Maril, A., Buckner, R. L., Rosen, B. R., Dale, A. M., & Schacter, D. L. (1999). An event-related fMRI study of perceptual specificity effects in visual object priming. *Abstracts of the Cognitive Neuroscience Society*, 6, 38.
- Wiseman, A. L., Wagner, A. D., Koutstaal, W., Maril, A., Simons, D. J., Dale, A. M., Rosen, B. R., & Schacter, D. L. (1999). The subjective perception of novelty: An event-related fMRI study. *Abstracts of the Cognitive Neuroscience Society*, 6, 62.

Cabeza, R., Rao, S. M., Wagner, A. D., Bischof, W. F., & Schacter, D. L. (1999). Event-related fMRI of veridical and illusory recognition memory. *Abstracts of the Cognitive Neuroscience Society*, 6, 18.

Wagner, A. D., Maril, A., Dale, A. M., Rosen, B. R., & Schacter, D. L. (1999). Interactions between implicit and explicit memory: Evidence that priming impairs new episodic encoding. *NeuroImage*, 9, S930.

Rotte, M., Koutstaal, W., Wagner, A. D., Maril, A., Buckner, R. L., Rosen, B. R., Dale, A. M., & Schacter, D. L. (1999). Perceptual specificity effects in visual object priming revealed by event-related fMRI. *NeuroImage*, 9, S987.

Stern, C. E., Kirchhoff, B. A., Wagner, A. D., & Maril, A. (1999). A fMRI comparison of picture and word encoding activation in the frontal and medial temporal cortices. *NeuroImage*, 9, S897.

Wagner, A. D., Maril, A., & Bjork, R. A. (1999). Executive control and episodic memory encoding: fMRI evidence for separable prefrontal control processes. *Society for Neuroscience Abstracts*, 25, 296.

Kirchhoff, B. A., Fischl, B., Wagner, A. D., Maril, A., & Stern, C. E. (1999). Localization of picture and word encoding using fMRI and cortical reconstruction techniques. *Society for Neuroscience Abstracts*, 25, 294.

Cabeza, R., Rao, S. M., Wagner, A. D., Bischof, W. F., & Schacter, D. L. (1999). Recognition and source judgments of true and false memories: An event-related fMRI study. *Society for Neuroscience Abstracts*, 25, 1553.

Savage, C. R., Deckersbach, T., Heckers, S., Wagner, A. D., Schacter, D. L., Alpert, N. M., Bates, J. F., Fischman, A. J., & Rauch, S. L. (1999). Prefrontal systems underlying spontaneous and directed strategic memory processes. *Society for Neuroscience Abstracts*, 25, 294.

Wagner, A. D., Maril, A., & Schacter, D. L. (1999). Interactions between implicit and explicit memory: fMRI evidence that priming impairs episodic encoding. *Abstracts of the Psychonomic Society*, 4, 66.

Savage, C. R., Deckersbach, T., Heckers, S., Wilhelm, S., Wagner, A. D., Schacter, D. L., Baer, L., Jenike, M.A., & Rauch, S. L. (2000). The contribution of orbitofrontal cortex to episodic memory impairment in OCD. *Biological Psychiatry*, 47, 13S.

Mitchell, K. J., Raye, C. L., Johnson, M. K., & Wagner, A. D. (2000). An fMRI examination of the role of left and right prefrontal cortex in episodic memory. *Abstracts of the Cognitive Neuroscience Society*, 7, 132.

Wagner, A. D., Paré-Blagoev, E. J., Clark, J., & Poldrack, R. A. (2000). Left prefrontal cortex and executive control: fMRI evidence for prefrontal sensitivity to associative strength and semantic retrieval demands. *Society for Neuroscience Abstracts*, 26, 811.

Davachi, L., Maril, A., & Wagner, A. D. (2000). Activation of prefrontal regions associated with distinct control processes predicts subsequent memory. *Society for Neuroscience Abstracts*, 26, 811.

Maril, A., Wagner, A. D., & Schacter, D. L. (2000). Neural correlates of the tip-of-the-tongue: An fMRI study of semantic retrieval failure. *Society for Neuroscience Abstracts*, 26, 972.

Jackson, O., Wagner, A. D., Dobbins, I., Maril, A., & Schacter, D. L. (2000). Medial temporal and prefrontal activations during associative encoding: An event-related fMRI study. *Society for Neuroscience Abstracts*, 26, 971.

Wagner, A. D., Paré-Blagoev, E. J., Badre, D., Clark, J., & Poldrack, R. A. (2001). Functional contributions of left inferior prefrontal cortex: fMRI support for the controlled retrieval hypothesis. *Abstracts of the Cognitive Neuroscience Society*, 8, 42.

Clark, D., Rhee, J., & Wagner, A. D. (2001). Prefrontal activation during phonological encoding predicts subsequent memory. *Abstracts of the Cognitive Neuroscience Society*, 8, 58.

Dobbins, I., Rice, H., Schacter, D. L., & Wagner, A. D. (2001). Cortical asymmetry during source and recency recognition: An event-related fMRI study. *Abstracts of the Cognitive Neuroscience Society*, 8, 43.

Davachi, L., Mitchell, J., Kurnick, R. A., Schacter, D. L., & Wagner, A. D. (2001). Neural bases of associative encoding: Medial temporal and prefrontal regions predict subsequent memory for source. *Abstracts of the Cognitive Neuroscience Society*, 8, 59.

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Wagner, A. D. (2001). Building memories: fMRI correlates of subsequent memory. *International Journal of Psychophysiology*, 41, 206

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Davachi, L., Mitchell, J., & Schacter, D.L., & Wagner, A. D. (2001). Remember the source: Encoding processes that support subsequent memory with and without recollection. *Society for Neuroscience Abstracts*, 27.

O'Kane, G., Badre, D., Paré-Blagoev, J., Poldrack, R. A., & Wagner, A. D. (2001). Left prefrontal processes subserving mnemonic control during semantic retrieval. *Society for Neuroscience Abstracts*, 27.

Dobbins, I., Rice, H., Schacter, D. L., & Wagner, A. D. (2001). Distinct cortical regions for novelty and source retrieval during episodic recognition. *Society for Neuroscience Abstracts*, 27.

Kahn, I., Kirchoff, B. A., Stringfellow, A., Marantz, A., Stern, C. E., & Wagner, A. D. (2001). MEG correlates of episodic encoding: Effects of novelty, content, and subsequent memory. *Society for Neuroscience Abstracts*, 27.

Clark, D., & Wagner, A. D. (2001). A role for phonological working memory: Building representations for novel word stimuli. *Society for Neuroscience Abstracts*, 27.

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Davachi, L., Prather, R., & Wagner, A. D. (2002). Integration cost: Fractionating configural representations in working memory. *Abstracts of the Cognitive Neuroscience Society*, 9, 62.

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Dobbins, I. G., Foley, H., Wagner, A. D., & Schacter, D. L. (2002). Imagery-based episodic retrieval: Insights from the method of loci. *Abstracts of the Cognitive Neuroscience Society*, 9, 165.

Dhond, R. P., Wagner, A. D., Dale, A. M., Witzel, T., & Halgren, E. (2002). Spatiotemporal brain mapping of word retrieval from episodic memory. *13th International Conference on Biomagnetism*.

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- O'Kane, G., Wagner, A. D., & Corkin, S. (2002). Relative sparing of associative recognition in older adults following incidental encoding. *Abstracts of the Psychonomic Society*, 7, 91-92.
- Bunge, S. A., Burrows, B., & Wagner, A. D. (2003). Analogical reasoning and prefrontal cortex: Evidence for separable retrieval and integration mechanisms. *Abstracts of the Cognitive Neuroscience Society*, 10, 25.
- Dobbins, I. G., Schacter, D. L., Verfaellie, M., & Wagner, A. D. (2003). Repetition-related reductions in prefrontal activation in a patient with global amnesia. *Abstracts of the Cognitive Neuroscience Society*, 10, 37.
- O'Kane, G., Clark, D., Insler, R., & Wagner, A. D. (2003). Generalized semantic repetition priming in left inferior prefrontal cortex. *Abstracts of the Cognitive Neuroscience Society*, 10, 73.
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- O'Kane, G., Wagner, A. D., & Corkin, S. (2003). Relative sparing of retrieval by older adults in an associative recognition task. *Annual Meeting of the American Foundation for Aging Research*.
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