

# Stanford

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## Anthony Wagner

Lucie Stern Professor in the Social Sciences  
Psychology

### Bio

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#### ACADEMIC APPOINTMENTS

- Professor, Psychology
- Member, Bio-X
- Member, Wu Tsai Neurosciences Institute

#### ADMINISTRATIVE APPOINTMENTS

- Chair, Department of Psychology, (2018- present)
- Co-Director, Stanford Center for Cognitive and Neurobiological Imaging, (2010- present)
- Director, Stanford Memory Laboratory, (2003- present)
- Professor, Department of Psychology, (2003- present)

#### PROGRAM AFFILIATIONS

- Symbolic Systems Program

#### PROFESSIONAL EDUCATION

- PhD, Stanford University , Psychology (Cog Neuroscience) (1997)

#### LINKS

- Stanford Memory Laboratory: <http://memorylab.stanford.edu/>

### Research & Scholarship

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#### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Cognitive neuroscience of memory and cognitive/executive control in young and older adults. Research interests include encoding and retrieval mechanisms; interactions between declarative, nondeclarative, and working memory; forms of cognitive control; neurocognitive aging; functional organization of prefrontal cortex, parietal cortex, and the medial temporal lobe; assessed by functional MRI, scalp and intracranial EEG, and transcranial magnetic stimulation

### Teaching

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#### COURSES

##### 2019-20

- Cognitive and Neuroscience Friday Seminar: PSYCH 246 (Aut, Win, Spr)
- Introduction to Learning and Memory: PSYCH 45 (Spr)

- Professional Seminar for First-Year Ph.D. Graduate Students: PSYCH 207 (Aut)

#### 2018-19

- Advanced Seminar on Memory: PSYCH 169 (Aut)
- Cognitive and Neuroscience Friday Seminar: PSYCH 246 (Aut, Win, Spr)
- Professional Seminar for First-Year Ph.D. Graduate Students: PSYCH 207 (Aut)

#### 2017-18

- Cognitive and Neuroscience Friday Seminar: PSYCH 246 (Aut, Win, Spr)
- Cortical Plasticity: Perception and Memory: PSYCH 206 (Win)
- Introduction to Learning and Memory: PSYCH 45 (Spr)
- Models and Mechanisms of Memory: PSYCH 226 (Aut)

#### 2016-17

- Advanced Seminar on Memory: PSYCH 169 (Aut)
- Cognitive and Neuroscience Friday Seminar: PSYCH 246 (Aut, Win, Spr)
- Current Debates in Learning and Memory: PSYCH 266 (Win)
- Introduction to Learning and Memory: PSYCH 45 (Spr)

## STANFORD ADVISEES

### Doctoral Dissertation Reader (AC)

Jon Walters

### Postdoctoral Faculty Sponsor

Kevin Madore, Tammy Tran, Alexandra Trelle

### Doctoral Dissertation Advisor (AC)

Corey Fernandez, Marc Harrison, Shaw Hsu, Shao-Fang Wang, tyler bonnen

### Doctoral (Program)

Marc Harrison, Shao-Fang Wang

## GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Neurosciences (Phd Program)

## Publications

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### PUBLICATIONS

- **Prefrontal reinstatement of contextual task demand is predicted by separable hippocampal patterns.** *Nature communications*  
Jiang, J., Wang, S., Guo, W., Fernandez, C., Wagner, A. D.  
2020; 11 (1): 2053
- **Hippocampal and cortical mechanisms at retrieval explain variability in episodic remembering in older adults.** *eLife*  
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, et al  
2020; 9
- **Stress Disrupts Human Hippocampal-Prefrontal Function during Prospective Spatial Navigation and Hinders Flexible Behavior.** *Current biology : CB*  
Brown, T. I., Gagnon, S. A., Wagner, A. D.  
2020

- **Stress Impairs Episodic Retrieval by Disrupting Hippocampal and Cortical Mechanisms of Remembering** *CEREBRAL CORTEX*  
Gagnon, S. A., Waskom, M. L., Brown, T. I., Wagner, A. D.  
2019; 29 (7): 2947–64
- **Hippocampal pattern separation supports reinforcement learning.** *Nature communications*  
Ballard, I. C., Wagner, A. D., McClure, S. M.  
2019; 10 (1): 1073
- **Minds and brains of media multitaskers: Current findings and future directions.** *Proceedings of the National Academy of Sciences of the United States of America*  
Uncapher, M. R., Wagner, A. D.  
2018; 115 (40): 9889–96
- **Individual differences in associative memory among older adults explained by hippocampal subfield structure and function** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Carr, V. A., Bernstein, J. D., Favila, S. E., Rutt, B. K., Kerchner, G. A., Wagner, A. D.  
2017; 114 (45): 12075–80
- **Distributed representation of context by intrinsic subnetworks in prefrontal cortex.** *Proceedings of the National Academy of Sciences of the United States of America*  
Waskom, M. L., Wagner, A. D.  
2017; 114 (8): 2030-2035
- **Prospective representation of navigational goals in the human hippocampus.** *Science*  
Brown, T. I., Carr, V. A., LaRocque, K. F., Favila, S. E., Gordon, A. M., Bowles, B., Bailenson, J. N., Wagner, A. D.  
2016; 352 (6291): 1323-1326
- **Electrocortigraphy reveals the temporal dynamics of posterior parietal cortical activity during recognition memory decisions** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Gonzalez, A., Hutchinson, J. B., Uncapher, M. R., Chen, J., LaRocque, K. F., Foster, B. L., Rangarajan, V., Parvizi, J., Wagner, A. D.  
2015; 112 (35): 11066-11071
- **Cortical Reinstatement Mediates the Relationship Between Content-Specific Encoding Activity and Subsequent Recollection Decisions** *CEREBRAL CORTEX*  
Gordon, A. M., Rissman, J., Kiani, R., Wagner, A. D.  
2014; 24 (12): 3350-3364
- **Frontoparietal representations of task context support the flexible control of goal-directed cognition.** *journal of neuroscience*  
Waskom, M. L., Kumaran, D., Gordon, A. M., Rissman, J., Wagner, A. D.  
2014; 34 (32): 10743-10755
- **Global Similarity and Pattern Separation in the Human Medial Temporal Lobe Predict Subsequent Memory** *JOURNAL OF NEUROSCIENCE*  
LaRocque, K. F., Smith, M. E., Carr, V. A., Withoft, N., Grill-Spector, K., Wagner, A. D.  
2013; 33 (13): 5466-5474
- **Distributed Representations in Memory: Insights from Functional Brain Imaging** *ANNUAL REVIEW OF PSYCHOLOGY, VOL 63*  
Rissman, J., Wagner, A. D.  
2012; 63: 101-128
- **Fidelity of neural reactivation reveals competition between memories** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Kuhl, B. A., Rissman, J., Chun, M. M., Wagner, A. D.  
2011; 108 (14): 5903-5908
- **A Roadmap to Brain Mapping: Toward a Functional Map of Human Parietal Cortex** *NEURON*  
Uncapher, M. R., Hutchinson, J. B., Wagner, A. D.  
2010; 67 (1): 5-8
- **Detecting individual memories through the neural decoding of memory states and past experience** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Rissman, J., Greely, H. T., Wagner, A. D.

2010; 107 (21): 9849-9854

- **Resistance to forgetting associated with hippocampus-mediated reactivation during new learning** *NATURE NEUROSCIENCE*  
Kuhl, B. A., Shah, A. T., DuBrow, S., Wagner, A. D.  
2010; 13 (4): 501-U128
- **Imaging the Human Medial Temporal Lobe with High-Resolution fMRI** *NEURON*  
Carr, V. A., Rissman, J., Wagner, A. D.  
2010; 65 (3): 298-308
- **Cognitive control in media multitaskers** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Ophir, E., Nass, C., Wagner, A. D.  
2009; 106 (37): 15583-15587
- **Integrating Memories in the Human Brain: Hippocampal-Midbrain Encoding of Overlapping Events** *NEURON*  
Shohamy, D., Wagner, A. D.  
2008; 60 (2): 378-389
- **Decreased demands on cognitive control reveal the neural processing benefits of forgetting** *NATURE NEUROSCIENCE*  
Kuhl, B. A., Dudukovic, N. M., Kahn, I., Wagner, A. D.  
2007; 10 (7): 908-914
- **Left ventrolateral prefrontal cortex and the cognitive control of memory** *NEUROPSYCHOLOGIA*  
Badre, D., Wagner, A. D.  
2007; 45 (13): 2883-2901
- **Computational and neurobiological mechanisms underlying cognitive flexibility** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Badre, D., Wagner, A. D.  
2006; 103 (18): 7186-7191
- **Dissociable controlled retrieval and generalized selection mechanisms in ventrolateral prefrontal cortex** *NEURON*  
Badre, D., Poldrack, R. A., Pare-Blagoev, E. J., Insler, R. Z., Wagner, A. D.  
2005; 47 (6): 907-918
- **Parietal lobe contributions to episodic memory retrieval** *TRENDS IN COGNITIVE SCIENCES*  
Wagner, A. D., Shannon, B. J., Kahn, I., Buckner, R. L.  
2005; 9 (9): 445-453
- **Memory strength and repetition suppression: Multimodal imaging of medial temporal cortical contributions to recognition** *NEURON*  
Gonsalves, B. D., Kahn, I., Curran, T., Norman, K. A., Wagner, A. D.  
2005; 47 (5): 751-761
- **Selection, integration, and conflict monitoring: Assessing the nature and generality of prefrontal cognitive control mechanisms** *NEURON*  
Badre, D., Wagner, A. D.  
2004; 41 (3): 473-487
- **Multiple routes to memory: Distinct medial temporal lobe processes build item and source memories** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Davachi, L., Mitchell, J. P., Wagner, A. D.  
2003; 100 (4): 2157-2162
- **Executive control during episodic retrieval: Multiple prefrontal processes subserve source memory** *NEURON*  
Dobbins, I. G., Foley, H., Schacter, D. L., Wagner, A. D.  
2002; 35 (5): 989-996
- **Observing the transformation of experience into memory** *TRENDS IN COGNITIVE SCIENCES*  
Paller, K. A., Wagner, A. D.  
2002; 6 (2): 93-102
- **Recovering meaning: Left prefrontal cortex guides controlled semantic retrieval** *NEURON*

- Wagner, A. D., Pare-Blagoev, E. J., Clark, J., Poldrack, R. A.  
2001; 31 (2): 329-338
- **Building memories: Remembering and forgetting of verbal experiences as predicted by brain activity** *SCIENCE*  
Wagner, A. D., Schacter, D. L., Rotte, M., Koutstaal, W., Maril, A., Dale, A. M., Rosen, B. R., Buckner, R. L.  
1998; 281 (5380): 1188-1191
  - **Temporal Dynamics of Memory-guided Cognitive Control and Generalization of Control via Overlapping Associative Memories.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*  
Jiang, J., Bramao, I., Khazenzon, A., Wang, S., Johansson, M., Wagner, A. D.  
2020
  - **Clonally expanded CD8 T cells patrol the cerebrospinal fluid in Alzheimer's disease.** *Nature*  
Gate, D., Saligrama, N., Leventhal, O., Yang, A. C., Unger, M. S., Middeldorp, J., Chen, K., Lehallier, B., Channappa, D., De Los Santos, M. B., McBride, A., Pluvinage, J., Elahi, et al  
2020
  - **Tau PET imaging with 18F-PI-2620 in aging and neurodegenerative diseases.** *European journal of nuclear medicine and molecular imaging*  
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, et al  
2020
  - **Content tuning in the medial temporal lobe cortex: Voxels that perceive, retrieve.** *eNeuro*  
Schultz, H., Tibon, R., LaRocque, K. F., Gagnon, S. A., Wagner, A. D., Staresina, B. P.  
2019
  - **Hippocampal CA1 subfield predicts episodic memory impairment in Parkinson's disease.** *NeuroImage. Clinical*  
La, C., Linortner, P., Bernstein, J. D., Ua Cruadhlaioich, M. A., Fenesy, M., Deutsch, G. K., Rutt, B. K., Tian, L., Wagner, A. D., Zeineh, M., Kerchner, G. A., Poston, K. L.  
2019; 23: 101824
  - **Hippocampal CA1 subfield predicts episodic memory impairment in Parkinson's disease** *NEUROIMAGE-CLINICAL*  
La, C., Linortner, P., Bernstein, J. D., Cruadhlaioich, M., Fenesy, M., Deutsch, G. K., Rutt, B. K., Tian, L., Wagner, A. D., Zeineh, M., Kerchner, G. A., Poston, K. L.  
2019; 23
  - **Learned Spatial Schemas and Prospective Hippocampal Activity Support Navigation After One-Shot Learning** *FRONTIERS IN HUMAN NEUROSCIENCE*  
van Kesteren, M. R., Brown, T. I., Wagner, A. D.  
2018; 12
  - **Integrated externally and internally generated task predictions Jointly guide cognitive control in prefrontal cortex.** *eLife*  
Jiang, J., Wagner, A. D., Egnér, T.  
2018; 7
  - **Stress Impairs Episodic Retrieval by Disrupting Hippocampal and Cortical Mechanisms of Remembering.** *Cerebral cortex (New York, N.Y. : 1991)*  
Gagnon, S. A., Waskom, M. L., Brown, T. I., Wagner, A. D.  
2018
  - **Differential Medial Temporal Lobe and Parietal Cortical Contributions to Real-world Autobiographical Episodic and Autobiographical Semantic Memory** *SCIENTIFIC REPORTS*  
Brown, T. I., Rissman, J., Chow, T. E., Uncapher, M. R., Wagner, A. D.  
2018; 8: 6190
  - **Memory, Numbers, and Action Decision in Human Posterior Parietal Cortex** *NEURON*  
Parvizi, J., Wagner, A. D.  
2018; 97 (1): 7-10
  - **Learned Spatial Schemas and Prospective Hippocampal Activity Support Navigation After One-Shot Learning.** *Frontiers in human neuroscience*  
van Kesteren, M. T., Brown, T. I., Wagner, A. D.  
2018; 12: 486

- **Media Multitasking and Cognitive, Psychological, Neural, and Learning Differences** *PEDIATRICS*  
Uncapher, M. R., Lin, L., Rosen, L. D., Kirkorian, H. L., Baron, N. S., Bailey, K., Cantor, J., Strayer, D. L., Parsons, T. D., Wagner, A. D.  
2017; 140: S62–S66
- **Neural Correlates of Impaired Removal of Negative Information From Working Memory are Associated With Rumination and Reappraisal in Individuals Diagnosed With Major Depressive Disorder**  
Davis, E., Uncapher, M., Camacho, M., Sacchet, M., Wagner, A., Gotlib, I.  
NATURE PUBLISHING GROUP.2017: S562–S563
- **Cognitive control, attention, and the other race effect in memory** *PLOS ONE*  
Brown, T. I., Uncapher, M. R., Chow, T. E., Eberhardt, J. L., Wagner, A. D.  
2017; 12 (3)
- **Adaptive Engagement of Cognitive Control in Context-Dependent Decision Making** *CEREBRAL CORTEX*  
Waskom, M. L., Frank, M. C., Wagner, A. D.  
2017; 27 (2): 1270-1284
- **Cognitive and neural consequences of memory suppression in major depressive disorder** *COGNITIVE AFFECTIVE & BEHAVIORAL NEUROSCIENCE*  
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; 17 (1): 77-93
- **Cognitive and neural consequences of memory suppression in major depressive disorder.** *Cognitive, affective & behavioral neuroscience*  
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.  
2016: -?
- **Knowledge Acquisition during Exam Preparation Improves Memory and Modulates Memory Formation** *JOURNAL OF NEUROSCIENCE*  
Brod, G., Lindenberger, U., Wagner, A. D., Shing, Y. L.  
2016; 36 (31): 8103-8111
- **Media multitasking and memory: Differences in working memory and long-term memory.** *Psychonomic bulletin & review*  
Uncapher, M. R., K Thieu, M., Wagner, A. D.  
2016; 23 (2): 483-490
- **Decoding fMRI Signatures of Real-world Autobiographical Memory Retrieval** *JOURNAL OF COGNITIVE NEUROSCIENCE*  
Rissman, J., Chow, T. E., Reggente, N., Wagner, A. D.  
2016; 28 (4): 604-620
- **Adaptive Engagement of Cognitive Control in Context-Dependent Decision Making.** *Cerebral cortex*  
Waskom, M. L., Frank, M. C., Wagner, A. D.  
2016
- **Acute stress and episodic memory retrieval: neurobiological mechanisms and behavioral consequences** *YEAR IN COGNITIVE NEUROSCIENCE*  
Gagnon, S. A., Wagner, A. D.  
2016; 1369: 55-75
- **Interactions between Memory and New Learning: Insights from fMRI Multivoxel Pattern Analysis.** *Frontiers in systems neuroscience*  
van Kesteren, M. T., Brown, T. I., Wagner, A. D.  
2016; 10: 46-?
- **Electrocorticography reveals the temporal dynamics of posterior parietal cortical activity during recognition memory decisions.** *Proceedings of the National Academy of Sciences of the United States of America*  
Gonzalez, A., Hutchinson, J. B., Uncapher, M. R., Chen, J., LaRocque, K. F., Foster, B. L., Rangarajan, V., Parvizi, J., Wagner, A. D.  
2015; 112 (35): 11066-11071
- **Prediction strength modulates responses in human area CA1 to sequence violations** *JOURNAL OF NEUROPHYSIOLOGY*  
Chen, J., Cook, P. A., Wagner, A. D.  
2015; 114 (2): 1227-1238
- **Goal-Directed Modulation of Neural Memory Patterns: Implications for fMRI-Based Memory Detection** *JOURNAL OF NEUROSCIENCE*  
Uncapher, M. R., Boyd-Meredith, J. T., Chow, T. E., Rissman, J., Wagner, A. D.

2015; 35 (22): 8531-8545

- **Quantitative comparison of 21 protocols for labeling hippocampal subfields and parahippocampal subregions in in vivo MRI: Towards a harmonized segmentation protocol** *NEUROIMAGE*  
Yushkevich, P. A., Amaral, R. S., Augustinack, J. C., Bender, A. R., Bernstein, J. D., Boccardi, M., Bocchetta, M., Burggren, A. C., Carr, V. A., Chakravarty, M. M., Chetelat, G., Daugherty, A. M., Davachi, et al  
2015; 111: 526-541
- **Synaptic Proteins in the Hippocampus Indicative of Increased Neuronal Activity in CA3 in Schizophrenia** *AMERICAN JOURNAL OF PSYCHIATRY*  
Li, W., Ghose, S., Gleason, K., Begovic, A., Perez, J., Bartko, J., Russo, S., Wagner, A. D., Selemon, L., Tamminga, C. A.  
2015; 172 (4): 373-382
- **Noninvasive Functional and Anatomical Imaging of the Human Medial Temporal Lobe** *COLD SPRING HARBOR PERSPECTIVES IN BIOLOGY*  
Brown, T. I., Staresina, B. P., Wagner, A. D.  
2015; 7 (4)
- **Noninvasive functional and anatomical imaging of the human medial temporal lobe.** *Cold Spring Harbor perspectives in biology*  
Brown, T. I., Staresina, B. P., Wagner, A. D.  
2015; 7 (4)
- **PATTERN SEPARATION DEFICIT IN SCHIZOPHRENIA: BEHAVIOUR AND IMAGING FINDINGS**  
Das, T., Ivleva, E. I., Stark, C. L., Wagner, A. D., Tamminga, C. A.  
OXFORD UNIV PRESS.2015: S221
- **Increased functional connectivity between dorsal posterior parietal and ventral occipitotemporal cortex during uncertain memory decisions.** *Neurobiology of learning and memory*  
Hutchinson, J. B., Uncapher, M. R., Wagner, A. D.  
2015; 117: 71-83
- **Prediction strength modulates responses in human area CA1 to sequence violations.** *Journal of neurophysiology*  
Chen, J., Cook, P. A., Wagner, A. D.  
2015; 114 (2): 1227-38
- **Goal-Directed Modulation of Neural Memory Patterns: Implications for fMRI-Based Memory Detection.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*  
Uncapher, M. R., Boyd-Meredith, J. T., Chow, T. E., Rissman, J., Wagner, A. D.  
2015; 35 (22): 8531-45
- **Loss of pattern separation performance in schizophrenia suggests dentate gyrus dysfunction** *SCHIZOPHRENIA RESEARCH*  
Das, T., Ivleva, E. I., Wagner, A. D., Stark, C. E., Tamminga, C. A.  
2014; 159 (1): 193-197
- **What do differences between multi-voxel and univariate analysis mean? How subject-, voxel-, and trial-level variance impact fMRI analysis** *NEUROIMAGE*  
Davis, T., LaRocque, K. F., Mumford, J. A., Norman, K. A., Wagner, A. D., Poldrack, R. A.  
2014; 97: 271-283
- **What do differences between multi-voxel and univariate analysis mean? How subject-, voxel-, and trial-level variance impact fMRI analysis.** *NeuroImage*  
Davis, T., LaRocque, K. F., Mumford, J. A., Norman, K. A., Wagner, A. D., Poldrack, R. A.  
2014; 97: 271-283
- **Comments of The MacArthur Foundation Research Network on Law and Neuroscience to The Presidential Commission for the Study of Bioethical Issues of the Department of Health and Human Services Comments on the Ethical Considerations of Neuroscience Research and the Application of Neuroscience Research Findings** *JOURNAL OF LAW AND THE BIOSCIENCES*  
Jones, O. D., Bonnie, R. J., Casey, B. J., Davis, A., Faigman, D. L., Hoffman, M., Montague, R., Morse, S. J., Raichle, M. E., Richeson, J. A., Scott, E., Steinberg, L., Taylor-Thompson, et al  
2014; 1 (2): 228-36
- **Law and neuroscience: recommendations submitted to the President's Bioethics Commission** *JOURNAL OF LAW AND THE BIOSCIENCES*  
Jones, O. D., Bonnie, R. J., Casey, B. J., Davis, A., Faigman, D. L., Hoffman, M., Montague, R., Morse, S. J., Raichle, M. E., Richeson, J. A., Scott, E., Steinberg, L., Taylor-Thompson, et al

2014; 1 (2): 224–27

- **Functional MRI-based lie detection: scientific and societal challenges** *NATURE REVIEWS NEUROSCIENCE*  
Farah, M. J., Hutchinson, J. B., Phelps, E. A., Wagner, A. D.  
2014; 15 (2): 123-131
- **Human hippocampal increases in low-frequency power during associative prediction violations.** *Neuropsychologia*  
Chen, J., Dastjerdi, M., Foster, B. L., LaRocque, K. F., Rauschecker, A. M., Parvizi, J., Wagner, A. D.  
2013; 51 (12): 2344-2351
- **NEUROSCIENCE AND THE LAW - SCIENCE AND SOCIETY Neuroscientists in court** *NATURE REVIEWS NEUROSCIENCE*  
Jones, O. D., Wagner, A. D., Faigman, D. L., Raichle, M. E.  
2013; 14 (10): 730-736
- **Measuring Memory Reactivation With Functional MRI: Implications for Psychological Theory.** *Perspectives on psychological science : a journal of the Association for Psychological Science*  
Levy, B. J., Wagner, A. D.  
2013; 8 (1): 72–78
- **FMRI-BASED MEMORY AND LIE DETECTION**  
Wagner, A.  
MIT PRESS.2013: 29–30
- **CROSS-FREQUENCY DYNAMICS IN HUMAN PARIETAL CORTEX DURING RECOGNITION MEMORY DECISIONS** *20th Annual Meeting of the Cognitive-Neuroscience-Society*  
Gonzalez, A., Hutchinson, J. B., Uncapher, M. R., Foster, B. L., Rangarajan, V., Parvizi, J., Wagner, A. D.  
MIT PRESS.2013: 109–109
- **Measuring Memory Reactivation With Functional MRI: Implications for Psychological Theory** *PERSPECTIVES ON PSYCHOLOGICAL SCIENCE*  
Levy, B. J., Wagner, A. D.  
2013; 8 (1): 72-78
- **Toward open sharing of task-based fMRI data: the OpenfMRI project** *FRONTIERS IN NEUROINFORMATICS*  
Poldrack, R. A., Barch, D. M., Mitchell, J. P., Wager, T. D., Wagner, A. D., Devlin, J. T., Cumba, C., Koyejo, O., Milham, M. P.  
2013; 7
- **Content Representation in the Human Medial Temporal Lobe** *CEREBRAL CORTEX*  
Liang, J. C., Wagner, A. D., Preston, A. R.  
2013; 23 (1): 80-96
- **Glutamate Dysfunction in Hippocampus: Relevance of Dentate Gyrus and CA3 Signaling** *SCHIZOPHRENIA BULLETIN*  
Tamminga, C. A., Southcott, S., Sacco, C., Wagner, A. D., Ghose, S.  
2012; 38 (5): 927-935
- **Hippocampal novelty activations in schizophrenia: Disease and medication effects** *SCHIZOPHRENIA RESEARCH*  
Tamminga, C. A., Thomas, B. P., Chin, R., Mihalakos, P., Youens, K., Wagner, A. D., Preston, A. R.  
2012; 138 (2-3): 157-163
- **Multi-voxel patterns of visual category representation during episodic encoding are predictive of subsequent memory** *NEUROPSYCHOLOGIA*  
Kuhl, B. A., Rissman, J., Wagner, A. D.  
2012; 50 (4): 458-469
- **Dissociable Effects of Top-Down and Bottom-Up Attention during Episodic Encoding** *JOURNAL OF NEUROSCIENCE*  
Uncapher, M. R., Hutchinson, J. B., Wagner, A. D.  
2011; 31 (35): 12613-12628
- **Associative retrieval processes in the human medial temporal lobe: Hippocampal retrieval success and CA1 mismatch detection** *LEARNING & MEMORY*  
Chen, J., Olsen, R. K., Preston, A. R., Glover, G. H., Wagner, A. D.  
2011; 18 (8): 523-528
- **Reduced hippocampal activity during encoding in cognitively normal adults carrying the APOE epsilon 4 allele** *NEUROPSYCHOLOGIA*



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- Adamson, M. M., Hutchinson, J. B., Shelton, A. L., Wagner, A. D., Taylor, J. L.  
2011; 49 (9): 2448-2455
- **Expected value information improves financial risk taking across the adult life span** *SOCIAL COGNITIVE AND AFFECTIVE NEUROSCIENCE*  
Samanez-Larkin, G. R., Wagner, A. D., Knutson, B.  
2011; 6 (2): 207-217
  - **High-resolution fMRI Reveals Match Enhancement and Attentional Modulation in the Human Medial Temporal Lobe** *JOURNAL OF COGNITIVE NEUROSCIENCE*  
Dudukovic, N. M., Preston, A. R., Archie, J. J., Glover, G. H., Wagner, A. D.  
2011; 23 (3): 670-682
  - **CA3 SUBFIELD-SPECIFIC INCREASES IN RCBV IN SCHIZOPHRENIA WHICH CORRELATE WITH PSYCHOSIS** *13th International Congress on Schizophrenia Research (ICSR)*  
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