

CURRICULUM VITA

TODD S. BRAVER

PERSONAL

Date / Place of Birth: December 21, 1968; Ann Arbor, MI, USA
Mailing Address: Department of Psychology
Washington University
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EDUCATION

1986-1992 B.S. in Cognitive Science (Philosophy Minor), Univ. of California, San Diego
1992-1994 M.S. in Cognitive Neuroscience, Carnegie Mellon University
1994-1997 Ph.D. in Cognitive Neuroscience, Carnegie Mellon University
1997-1998 Postdoctoral Fellowship, University of Pittsburgh Medical School

ACADEMIC POSITION

1998-2004 Assistant Professor, Psychology Department
Washington University, St. Louis
2004-2009 Associate Professor, Psychology Department
Washington University, St. Louis
2005-2006 Visiting Fellow, Institute for Advanced Studies (Clare Hall)
University of Cambridge, Cambridge England
2009-present Full Professor, Psychology Department
With Appointments in Radiology and Neuroscience
Washington University, St. Louis

HONORS AND AWARDS

- 1986 National Merit Scholarship Finalist
- 1992 Phi Beta Kappa, Magna Cum Laude, University of California, San Diego
- 1992-1994 Center for the Neural Basis of Cognition Training Fellowship
- 1993 National Defense Science and Engineering Fellowship, Honorable Mention
National Science Foundation Fellowship, Honorable Mention
- 1994-1995 NIMH Training Fellowship
- 1995 Fellow, McDonnell Summer Institute in Cognitive Neuroscience, Davis, CA
- 1996 American Psychological Association Dissertation Research Award
- 1997 Junior Fellow, National Academy of Science Ninth Annual Frontiers of Science Conference
- 2005 Constance Lieber Independent Investigator Award NARSAD
- 2005 Clare Hall, Visiting Fellowship Award, Cambridge University
- 2006 F.J. McGuigan Young Investigator Award
American Psychological Association, \$25,000 Prize
- 2007 Named “Rising Star” by Association for Psychological Science
- 2012 APS Fellow
- 2013 National Institute of Health MERIT Award

RESEARCH GRANTS AND FELLOWSHIPS**Currently Funded**

- National Institutes of Health - NIMH (1 R21 MH105800) 2015-2017
Neuroeconomics of cognitive effort
PI: Todd Braver
Total Direct Costs: \$275,000
- National Institutes of Health – NIA (1 R01 AG043461) 2014-2017
Neuroeconomics of aging and cognitive control: A discounting framework
PI: Todd Braver
Total Direct Costs: \$525,000

National Institutes of Health – NIMH (2 R37 MH066078) 2013-2018
 Dual Mechanisms of Cognitive Control
 PI: Todd Braver
 Total Direct Costs: \$2,376,768

Binational Science Foundation (2011246) 2012-2016
 Intention-based reflexivity in simple and complex novel action plans
 PI: Todd Braver (Co-PI Nachshon Meiran)
 Total Direct Costs: \$230,000

Past

National Institutes of Health – NIA (1 R13 AG042291) 2011-2014
 Mechanisms of Motivation, Cognition and Aging Interactions: Interdisciplinary Group Meeting
 PI: Todd Braver
 Total Direct Costs: \$40,000

National Institutes of Health - NIMH (1 R21 MH097260) 2011-2014
 Motivational state as a mechanism of cognitive self-regulation
 PI: Todd Braver
 Total Direct Costs: \$275,000

National Institutes of Health – NIDA (1 R21 DA027821) 2009-2012
 Negative reinforcement effects on neural mechanisms of cognitive control
 PI: Todd Braver
 Total Direct Costs: \$275,000

National Institutes of Health – NIMH (1 RC1 MH088522) 2009-2012
 Neural mechanisms of spatial working memory
 PI: Larry Snyder (Braver, Co-I)
 Total Direct Costs: \$678,000

National Institutes of Health – NIA (1 RC1 AG036258) 2009-2012
 Neural mechanisms of age-related changes in prospective memory
 PI: Mark McDaniel (Braver, Co-I)
 Total Direct Costs: \$603,000

National Institutes of Health – NIMH (2 R01 MH066078) 2009-2012
 Dual Mechanisms of Cognitive Control – Administrative Supplement
 PI: Todd Braver
 Total Direct Costs: \$248,000

- National Institutes of Health – NIA (1 R21 AG030795) 2007-2010
 Neuroeconomic studies of age-related changes in cognitive control
 PI: Todd Braver
 Total Direct Costs: \$210,000
- National Alliance for Research in Schizophrenia and Depression 2005-2008
 Improving Prefrontal Cortex Function in Schizophrenia
 PI: Todd Braver
 Total Direct Costs: \$100,000
- National Institutes of Health (RO1 MH66078) 2002-2012
 Dual Mechanisms of Cognitive Control
 PI: Todd Braver
 Total Direct Costs: \$1,000,000
- National Institutes of Health (P50 MH64445) 2002-2007
 Towards a Neurobiologically Constrained Framework for Modeling Human Cognition
 Project PI: Jonathan Cohen Co-Investigator: Todd Braver
 Total Direct Costs for Project: \$650,000
- National Institutes of Health (RO1 MH66088) 2003-2006
 Neural substrates of emotion-cognition interactions
 PI: Jeremy Gray Co-Investigator: Todd Braver
 Total Direct Costs: \$575,000
- Office of Naval Research 2003-2006
 Neural Network Simulations of Cognitive Control and Motivational Factors
 PI: Todd Braver
 Total Direct Costs: \$301,823
- McDonnell Center for Higher Brain Function 2002-2004
 Neural Substrates of Decision Making
 PI: Len Green Co-Investigator: Todd Braver
 Total Direct Costs: \$80,000
- Office of Naval Research (N00014-00-1-0715) 2000-2003
 Computational Modeling of Cognitive Control in a Neural Network Architecture
 PI: Todd Braver
 Total Direct Costs: \$277,496
- National Science Foundation (BCS-0001908) 2000-2003
 Mechanisms of Cognitive Control: Testing a Neurocomputational Model
 PI: Todd Braver
 Total Direct Costs: \$194,379

- National Institutes of Health (RO3 MH61615) 2000-2003
 FMRI Studies of Prefrontal Cortex Involvement in Working and Long-Term Memory
 PI: Todd Braver
 Total Direct Costs: \$100,000
- National Institutes of Aging (RO3 AG18138) 2000-2001
 A Computational Model of Cognitive Control Deficits in Healthy Aging
 PI: Todd Braver
 Total Direct Costs: \$50,000
- National Institutes of Aging (P50 AG05681 Pilot Project) 2000-2001
 Cognitive Control in Early-Stage Alzheimer's Disease
 PI: Todd Braver
 Total Direct Costs: \$26,750
- National Alliance for Research in Schizophrenia and Depression 1999-2002
 Cognitive Control Impairments in Schizophrenia
 PI: Todd Braver
 Total Direct Costs: \$60,000
- McDonnell Center for Higher Brain Function 1998-2001
 Development, Validation, and Application of Novel Event-Related FMRI Methods
 Towards Studies of Higher Brain Function
 PI: Randy Buckner Co-Investigator: Todd Braver
 Total Direct Costs: \$255,000

PUBLICATIONS

Books

Motivation and Cognitive Control (2015). Edited by Todd S. Braver.
 Psychology Press: New York, NY.

Journal Articles (peer reviewed)

1. Cohen, J. D., Forman, S. D., Braver, T. S., Casey, B. J., Servan-Schreiber, D., and Noll, D. C. (1994). Activation of prefrontal cortex in a nonspatial working memory task with functional MRI. Human Brain Mapping, 1, 293-304.
2. Cohen, J.D., Braver, T.S., and O'Reilly, R.C. (1996). A computational approach to prefrontal cortex, cognitive control and schizophrenia: Recent developments and current challenges. Philosophical Transactions of the Royal Society, Series B, 346, 1515-1527.
3. Braver, T.S., Cohen, J.D., Nystrom, L.E., Jonides, J., Smith, E.E. and Noll, D.C. (1997). A parametric study of prefrontal cortex involvement in human working memory.

- NeuroImage, 5, 49-62.
4. Cohen, J.D., Perlstein, W.M., Braver, T.S., Nystrom, L.E., Jonides, J., Smith, E.E. and Noll, D.C. (1997). Temporal dynamics of brain activity during a working memory task. Nature, 386, 604-608.
 5. Barch, D. M., Braver, T. S., Nystrom, L. E., Forman, S. D., Noll, D. C., and Cohen, J. D. (1997). Dissociating working memory from task difficulty in human prefrontal cortex. Neuropsychologia, 35,1373-1380.
 6. Carter, C.S., Braver, T.S., Barch, D.M., Botvinick, M.M., Noll, D.C., and Cohen, J.D. (1998). Anterior cingulate cortex, error detection, and the online monitoring of performance. Science, 280, 747-749.
 7. Braver, T.S. and Cohen, J.D. (1999). Dopamine, cognitive control, and schizophrenia: The gating model. Progress in Brain Research, 121, 327-349.
 8. Braver, T.S., Barch, D.M., and Cohen, J.D. (1999). Cognition and control in schizophrenia: A computational model of dopamine and prefrontal function. Biological Psychiatry, 46, 312-328.
 9. Barch, D.M., Carter, C.S., Braver, T.S., Sabb, F.W., Noll, D.C. and Cohen, J.D. (1999). Overt verbal responding during fMRI scanning: Empirical investigations of problems and potential solutions. NeuroImage, 10, 642-657.
 10. Barch D.M., Braver, T.S., and Noll D.C. (2000). Anterior cingulate and the monitoring of response conflict: Evidence from an fMRI study of overt verb generation. Journal of Cognitive Neuroscience 12, 298-309.
 11. Nystrom, L.E., Braver, T.S., Sabb, F.W., Delgado, M.R., Noll, D.C., and Cohen, J.D. (2000). Working memory for letters, shapes, and locations: fMRI evidence against stimulus-based regional organization of human prefrontal cortex. NeuroImage, 11, 424-446
 12. Barch D.M., Carter C.S., Braver T.S., MacDonald A., Sabb F.W., Noll D.C., and Cohen J.D. (2001). Prefrontal cortex and context processing in medication naive first-episode patients with schizophrenia. Archives of General Psychiatry, 58, 280-288.
 13. Casey, B. J., Forman, S. D., Franzen, P., Berkowitz, A. Braver, T. S., Nystrom, L.E., Thomas, K.M. and Noll, D. C. (2001). Sensitivity of prefrontal cortex to changes in target probability: A functional MRI study. Human Brain Mapping, 13, 26-33.
 14. Braver, T.S., Barch, D.M., Kelley, W.M., Buckner, R.L., Cohen, N.J., Miezin, F.M., Snyder, A.Z., Ollinger, J.M., Akbudak, E., Conturo, T.E., and Petersen, S.E. (2001). Direct comparison of prefrontal cortex regions engaged by working and long-term memory. NeuroImage, 14, 48-59.

15. Zacks, J. M., Braver, T.S., Sheridan, M.A., Donaldson, D.I., Snyder, A.Z., Ollinger, J.M., Buckner, R.L., Raichle, M.E. (2001). Human brain activity time-locked to perceptual event boundaries. Nature Neuroscience, *4*, 651-655.
16. Braver, T.S. and Cohen, J.D. (2001). Working memory, cognitive control, and the prefrontal cortex: Computational and empirical studies. Cognitive Processing, *2*, 25-55.
17. Botvinick, M.M., Braver, T.S., Carter, C.S., Barch, D.M., and Cohen, J.D. (2001). Conflict monitoring and cognitive control. Psychological Review, *108*, 624-652.
18. Braver, T.S., Barch, D.M., Gray, J.R., Molfese, D.L., and Snyder, A.Z. (2001). Anterior cingulate and response conflict: Effects of frequency, inhibition, and errors. Cerebral Cortex, *11*, 825-836.
19. Barch, D.M., Braver, T.S., Akbudak, E., Conturo, T.E., Ollinger, J.M. and Snyder, A.Z. (2001). Anterior cingulate and response conflict: Effects of response modality and processing domain. Cerebral Cortex, *11*, 837-848.
20. Braver, T.S., Barch, D.M., Keys, B.A., Carter, C.S., Kaye, J.A., Janowsky, J.S., Taylor, S.F., Yesavage, J.A., Mumenthaler, M.S., Jagust, W.J., Reed, B.R. (2001). Context processing in older adults: Evidence for a theory relating cognitive control to neurobiology in healthy aging. Journal of Experimental Psychology: General, *130*, 746-763.
21. Braver, T.S. and Bongiolatti, S.R. (2002). The role of frontopolar prefrontal cortex in subgoal processing during working memory. NeuroImage, *15*, 523-536.
22. O'Reilly, R.C., Noelle, D.C., Braver, T.S., and Cohen, J.D. (2002). Prefrontal cortex and dynamic categorization tasks: Representational organization and neuromodulatory control. Cerebral Cortex, *12*, 246-257.
23. Gray, J.R., Braver, T.S., and Raichle, M.E. (2002). Integration of emotion and cognition in lateral prefrontal cortex. Proceedings of the National Academy of Sciences, *99*, 4115-4120.
24. Gray, J.R. and Braver, T.S. (2002). Personality predicts working-memory-related activation in caudal anterior cingulate cortex. Cognitive, Affective, and Behavioral Neuroscience, *2*, 64-75.
25. Braver, T.S., and Barch, D.M. (2002). A theory of cognitive control, aging cognition and neuromodulation. Neuroscience and Biobehavioral Reviews, *26*, 809-817.
26. Jones, A.D., Cho, R., Nystrom, L.E., Cohen, J.D., and Braver, T.S. (2002). A computational model of anterior cingulate function in speeded response tasks: Effects of frequency, sequence, and conflict. Cognitive, Affective, and Behavioral Neuroscience, *2*,

- 300-317.
27. Cho, R., Nystrom, L.E., Brown, E., Jones, A.D., Braver, T.S., Holmes, P., and Cohen, J.D. (2002). Mechanisms underlying performance dependencies on sequential history in a two-alternative forced choice task. Cognitive, Affective, and Behavioral Neuroscience, *2*, 283-289.
 28. Gray, J.R., Chabris, C.F., and Braver, T.S. (2003). Neural mechanisms of general fluid intelligence. Nature Neuroscience, *6*, 316-322.
 29. Barch, D.M., Carter, C.S., MacDonald III, A., Braver, T.S., and Cohen, J.D. (2003). Context processing deficits in Schizophrenia: Diagnostic Specificity, 4-week Course, and Relationships to clinical symptoms. Journal of Abnormal Psychology, *112*, 132-143.
 30. Braver, T.S., Reynolds, J.R. and Donaldson, D.I. (2003). Neural mechanisms of transient and sustained cognitive control during task switching. Neuron, *39*, 713-26.
 31. Speer, N.K., Jacoby, L.L., and Braver, T.S. (2003). Strategy-dependent changes in memory: Effects on behavior and brain activity. Cognitive, Affective, and Behavioral Neuroscience, *3*, 155-167.
 32. Swallow, K.M., Braver, T.S., Snyder, A.Z., Speer, N.K., and Zacks, J.M. (2003). Reliability of functional localization using fMRI. NeuroImage, *20*, 1561-1577.
 33. Forman, S.D., Dougherty, G.G., Casey, B.J., Siegle, G.J., Braver, T.S., Barch, D.M., Stenger, A.V., Wick-Hull, C., Pisarov, L.A., Lorenson, E. (2004). Opiate addicts lack error-dependent activation of rostral anterior cingulate. Biological Psychiatry, *55*, 231-237.
 34. Reynolds, J.R., Donaldson, D.I., Wagner, A.D., and Braver, T.S. (2004). Item- and task-level processes in left inferior prefrontal cortex: Positive and negative correlates of encoding. NeuroImage, *21*, 1472-1483.
 35. Hershey, T., Black, K.J., Hartlein, J., Barch, D.M., Braver, T., Carl, J.L., Perlmutter, J.S. (2004). Cognitive-pharmacological fMRI in Tourette's Syndrome: A pilot study. Biological Psychiatry, *55*, 916-925.
 36. Hershey, T., Black, K.J., Hartlein, J., Braver, T., Barch, D.M., Carl, J.L., Perlmutter, J.S. (2004). Dopaminergic modulation of response inhibition: An fMRI study. Cognitive Brain Research, *20*, 438-448.
 37. Brown, J.W. and Braver, T.S. (2005). Learned predictions of error likelihood in the anterior cingulate cortex. Science, *307*, 1118-1121.
 38. Braver, T.S., Satpute, A.B., Rush, B.K., Racine, C.A and Barch, D.M. (2005). Context processing and context maintenance in healthy aging and early-stage dementia of the

- Alzheimer's type. Psychology & Aging, 20, 33-46.
39. Yarkoni, T., Gray, J.R., Chastil, E.R., Barch, D.M., Green, L. and Braver, T.S. (2005). Sustained neural activity associated with cognitive control during temporally extended decision making. Cognitive Brain Research, 23, 71-84.
 40. Rougier, N.P., Noelle, D.C., Braver, T.S., Cohen, J.D., and O'Reilly, R.C. (2005). Prefrontal cortex and flexible cognitive control: Rules without symbols. Proceedings of the National Academy of Sciences.
 41. Gray, J.R., Burgess, G.C., Schaefer, A., Yarkoni, T., Larsen, R.J., and Braver, T.S. (2005). Personality differences in neural processing efficiency revealed using fMRI. Cognitive, Affective, and Behavioral Neuroscience, 5, 182-190.
 42. Yarkoni, T. Braver, T.S., Gray, J.R. and Green, L. (2005). Prefrontal brain activity predicts temporally extended decision-making behavior. Journal of the Experimental Analysis of Behavior, 84, 537-554.
 43. Reynolds, J.R., McDermott, K.M., and Braver, T.S. (2006). A direct comparison of anterior prefrontal cortex involvement in episodic retrieval and integration. Cerebral Cortex, 16, 519-528.
 44. Reynolds, J.R., Braver, T.S., Brown, J.W., and van der Stigchel, S. (2006). Computational and neural mechanisms of task-switching. Neurocomputing, 69,1332-1336.
 45. DePisapia, N. and Braver, T.S. (2006). A model of dual control mechanisms through anterior cingulate and prefrontal cortex interactions. Neurocomputing, 69, 1322-1326.
 46. Racine, C.A., Barch, D.M., Noelle, D., and Braver, T.S. (2006). The effect of age on rule-based category learning. Aging, Neuropsychology, and Cognition, 13, 411-434
 47. Rush, B.K., Barch, D.M., and Braver, T.S. (2006). Accounting for cognitive aging: Context processing, inhibition, or processing speed? Aging, Neuropsychology, and Cognition, 13,588-610
 48. Paxton, J.L., Barch, D.M., Storandt, M., and Braver, T.S. (2006). Effects of environmental support and strategy training on older adults' use of context. Psychology and Aging, 21, 499-509.
 49. Schaefer, A., Braver, T.S., Reynolds, J.R., Burgess, G.C., Yarkoni, T., and Gray, J.R., (2006). Event-related amygdala activity predicts working memory performance. Journal of Neuroscience, 26,10120-10128.
 50. Brown, J.W., Reynolds, J.R. and Braver, T.S. (2007). A computational model of fractionated conflict-control mechanisms in task-switching. Cognitive Psychology, 55, 37-85.

51. DePisapia, N., Slomski, J.A., and Braver, T.S. (2007). Functional specializations in lateral prefrontal cortex associated with the integration and segregation of information within working memory. Cerebral Cortex, 17, 993-1006.
52. Zacks, J.M., Speer, N.K., Swallow, K.M., Braver, T.S. and Reynolds, J.R. (2007). Event perception: A mind/brain perspective. Psychological Bulletin, 133, 273-293.
53. Reynolds, J.R., Zacks, J.M., and Braver, T.S. (2007). A computational model of event segmentation from perceptual prediction. Cognitive Science, 31, 613-643.
54. Brown, J.W. and Braver, T.S. (2007). Risk prediction and aversion by anterior cingulate cortex. Cognitive, Affective, and Behavioral Neuroscience, 7, 266-277.
55. Locke, H.S. and Braver, T.S. (2008). Motivational influences on cognitive control: Behavior, brain activation, and individual differences. Cognitive, Affective, and Behavioral Neuroscience, 8, 99-112
56. Brown, J.W. and Braver, T.S. (2008). A computational model of risk, conflict, and individual difference effects in the anterior cingulate cortex. Brain Research, 1202, 99-108.
57. DePisapia, N. and Braver, T.S. (2008). Preparation for integration: The role of anterior prefrontal cortex in working memory. Neuroreport, 19,15-19.
58. Paxton, J.L., Barch, D.M., Racine, C.A., and Braver, T.S., (2008). Cognitive control, goal maintenance, and prefrontal function in healthy aging. Cerebral Cortex, 18, 1010-1028.
59. Emery, L.J., Heaven, T.J., Paxton, J.L., and Braver, T.S. (2008) Age-related changes in neural activity during performance-matched working memory manipulation. NeuroImage, 42, 1577-1586.
60. Fales, C.L., Barch, D.M., Burgess, G.C., Schaefer, A., Mennin, D.S., Gray, J.R. and Braver, T.S. (2008). Anxiety and cognitive efficiency: Differential modulation of transient and sustained neural activity during a working memory task. Cognitive, Affective, and Behavioral Neuroscience, 8, 239-253.
61. Rowe, J.B. Eckstein, D. Braver, T.S. and Owen, A.M. (2008). How reward expectation influences cognition in the human brain. Journal of Cognitive Neuroscience, 20, 1980-1992.
62. Shamos, N.A., DeYoung, A.E., Reis, D.L., Conway, A.R.A., Engle, R.W., Braver, T.S., and Gray, J.R. (2008). Individual differences in delay discounting: Relation to intelligence, working memory and frontopolar cortex. Psychological Science, 19, 904-911.

63. Kerns, J.G., Nuechterlein, K.H., Braver, T.S., Barch, D.M. (2008). Executive function component mechanisms and schizophrenia. Biological Psychiatry, 64, 26-33.
64. Barch, D.M., Braver, T.S., Carter, C.S., Poldrack, R.A., Robbins, T.W. (2009). CNTRICS final task selection: Executive control. Schizophrenia Bulletin, 35, 115-35.
65. Yarkoni, T., Barch, D.M., Gray, J.R., Conturo, T.E. and Braver, T.S. (2009). BOLD correlates of trial-by-trial response time variability in gray and white matter: A multi-study fMRI analysis. PLoS ONE, 4, e4257.
66. Reynolds, J.R., West, R., and Braver, T.S. (2009) Distinct neural circuits support transient and sustained processes in prospective memory and working memory. Cerebral Cortex, 19,1208-1221.
67. Ruge, H., Meiran, N, and Braver, T.S. (2009). Attention, intention, and strategy in preparatory task control. Neuropsychologia, 47, 1670-1685.
68. Braver, T.S., Paxton, J.L., Locke, H.S, and Barch, D.M. (2009). Flexible neural mechanisms of cognitive control within human prefrontal cortex. Proceedings of the National Academy of Sciences, 106, 7351-7356.
69. Ruge, H., Goschke, T. and Braver, T.S. (2009). Separating event-related BOLD components within trials: The partial-trial design revisited. Neuroimage, 47, 501-513.
70. DeYoung, C.G., Shamosh, N.A., Green, A.E., Braver, T.S. and Gray, J.R. (2009). Intellect as distinct from Openness: Differences revealed by fMRI of working memory. Journal of Personality and Social Psychology, 97, 883-892.
71. Jimura, K. and Braver, T.S. (2009). Age-related shifts in brain activity dynamics during task-switching. Cerebral Cortex, 20; 6, 1420-1431.
72. Jimura, K., Myerson, J., Hilgard, J., Braver, T.S., and Green, L. (2009). Are people really more patient than animals? Evidence from human discounting of real liquid rewards. Psychonomic Bulletin and Review, 16, 1071-1075.
73. Savine, A.C., Beck, S.M., Edwards, B.G., Chiew, K.S., and Braver, T.S. (2010). Enhancement of cognitive control by approach and avoidance motivational states. Cognition and Emotion, 24, 338-356.
74. Beck, S.M., Savine, A.C., Jimura, K., Locke, H.S., and Braver, T.S. (2010). Primary and secondary rewards differentially modulate neural activity dynamics during working memory. PLoS ONE, 5, e9251.
75. Edwards, B.G., Barch, D.M., and Braver, T.S. (2010). Improving prefrontal cortex function in schizophrenia through focused training of cognitive control. Frontiers in Human Neuroscience: 4, 32.

76. Jimura, K., Locke, H.S., and Braver, T.S. (2010). Prefrontal cortex mediation of cognitive enhancement in rewarding motivational contexts. Proceedings of the National Academy of Sciences, 109, 8871-8876.
77. Ruge, H. and Braver, T.S. (2010). Anticipating the consequences of action: An fMRI study of intention-based task preparation. Psychophysiology, 47(6): 1019-27.
78. Chiew, K.S. and Braver, T.S. (2010, November). Exploring emotional and cognitive conflict using speeded volitional facial expressions. Emotion. Advance online publication. Doi: 10.1037/a00119704
79. Burgess, G. C. and Braver, T.S. (2010). Neural mechanisms of interference control in working memory: Effects of interference expectancy and fluid intelligence. PLoS ONE, 5(9): e12861.
80. Krawetz, A., Braver, T.S., Barch, D.M. and Brown, J.W. (2011). Impaired error-likelihood prediction in medial prefrontal cortex in schizophrenia. Neuroimage, 54, 1506-1517.
81. Chiew, K.S. and Braver, T.S. (2011). Neural circuitry of emotional and cognitive conflict revealed through facial expressions. PLoS ONE: e17635.
82. Jimura, K., Myerson, J., Hilgard, J., Braver, T.S., and Green, L. (2011). Domain-independence and stability in younger and older adult discounting of delayed rewards. Behavioral Processes, 87, 253-259.
83. Burgess, G. C., Conway, A.R.A., Gray, J.R. and Braver, T.S. (2011). Neural mechanisms of interference control explain the relationship between fluid intelligence and working memory span. Journal of Experimental Psychology: General, 140, 674-692.
84. Bugg, J.M., McDaniel, M.A., Scullin, M.K., Braver, T.S. (2011). Revealing list-level control in the Stroop task by uncovering its benefits and a cost. Journal of Experimental Psychology: Human Perception and Performance, 37, 1595-1606.
85. Chiew, K.S. and Braver, T.S. (2011). Positive affect versus reward: Emotional and motivational influences on cognitive control. Frontiers in Psychology, 2, 279.
86. Cole, M.W., Etzel, J.A., Zacks, J.M., Schneider, W. and Braver, T.S. (2011). Rapid transfer of abstract rules to novel contexts in human lateral prefrontal cortex. Frontiers in Human Neuroscience, 5, 142.
87. Westbrook, A., Martins, B.S., Yarkoni, T., and Braver, T.S. (2012). Strategic insight and age-related goal neglect influence risky decision-making. Frontiers in Neuroscience, 6, 68.
88. Braver, T.S. (2012). The variable nature of cognitive control: A dual-mechanisms framework. Trends in Cognitive Sciences, 16, 106-113.

89. Reynolds, J.R., O'Reilly, R.C., Cohen, J.D., and Braver, T.S. (2012). The functional organization of lateral prefrontal cortex. A test of competing hypotheses. PLoS ONE, 7(2): e30284.
90. Cole, M.W., Yarkoni, T., Repovs, G., Anticevic, A., and Braver, T.S. (2012). Global connectivity of prefrontal cortex predicts cognitive control and intelligence. Journal of Neuroscience, 32, 8988-8999.
91. DePisapia, N., Sandrini, M., Braver, T.S., and Cattaneo, L. (2012). Integration in working memory: A magnetic stimulation study on the role of left anterior prefrontal cortex. PLoS ONE.
92. Jimura, K., Chushak, M.S., and Braver, T.S. (2013). Impulsivity and self-control during intertemporal decision making linked to the neural dynamics of reward value representation. Journal of Neuroscience, 33, 344-357.
93. Chiew, K.S. and Braver, T.S. (2013). Temporal dynamics of motivation-cognitive control interactions revealed by high-resolution pupillometry. Frontiers in Psychology, 4, 15.
94. Etzel, J.A., Zacks, J.M., and Braver, T.S. (2013). Searchlight analysis: Promise, pitfalls, and potential. Neuroimage, 78, 261-269.
95. Cole, M.W., Reynolds, J.R., Power, J.D., Repovs, G., Anticevic, A., and Braver, T.S. (2013). Multi-task connectivity reveals flexible hubs for adaptive task control. Nature Neuroscience, 16, 1348-1355.
96. Westbrook, A., Kester, D., and Braver, T.S. (2013). What is the subjective cost of cognitive effort? Load, trait, and aging effects revealed by economic preference. PLoS ONE, 8(7): e68210.
97. McDaniel, M.A., Lamontagne, P., Beck, S.M., Scullin, M.K., and Braver, T.S. (2013). Dissociable neural routes to successful prospective memory. Psychological Science, 23, 1791-1800.
98. Cole, M.W., Bassett, D.S., Power, J.D., Braver, T.S., and Petersen, S.E. (2014). Intrinsic and task-evoked network architectures of the human brain. Neuron, 83, 238-251.
99. Oksanen, K.M., Waldum, E.R., McDaniel, M.A., and Braver, T.S. (2014). Neural mechanisms of time-based prospective memory: Evidence for transient monitoring. PLoS ONE, 9(3): e92123.
100. Chiew, K.S., and Braver, T.S. (2014). Dissociable influences of reward motivation and positive emotion on cognitive control. Cognitive, Affective, and Behavioral Neuroscience, 14, 509-529.

101. Jonasson, L.S., Axelsson, J., Riklund, K., Braver, T.S., Ogren, M., Backman, L., and Nyberg, L. (2014). Dopamine release in nucleus accumbens during rewarded task-switching measured by ^{11}C raclopride. Neuroimage, *99*, 357-364.
102. Braver, T.S., Krug, M.K., Chiew, K.S., Kool, W., Westbrook, J.A., Clement, N.J., Adcock, R.A., Barch, D.M., Botvinick, M.M., Carver, C.S., Cools, R., Custers, R., Dickinson, A., Dweck, C.S., Fishbach, A., Gollwitzer, P.M., Hess, T.M., Isaacowitz, D.M., Murayama, K., Pessoa, L., Samanez-Larkin, G.R., Somerville, L.H. (2014). Mechanisms of motivation-cognition interaction: challenges and opportunities. Cognitive, Affective, and Behavioral Neuroscience, *14*, 443-472.
103. Botvinick, M.M. and Braver, T.S. (2015). Motivation and cognitive control: From behavior to neural mechanism. Annual Review of Psychology, *66*, 83-113.
104. Meiran, N., Pereg, M., Kessler, Y., Cole, M.W., and Braver, T.S. (2015). The power of instructions: Proactive configuration of stimulus-response translation. Journal of Experimental Psychology: Learning, Memory, and Cognition, *41*, 768-786.
105. Meiran, N., Pereg, M., Kessler, Y., Cole, M.W., Braver, T.S. (2015). Reflexive activation of newly instructed stimulus-response rules: Evidence from lateralized readiness potentials. Cognitive, Affective, and Behavioral Neuroscience, *15*, 365-373.
106. Westbrook, A. and Braver, T.S. (2015). Cognitive effort: A neuroeconomic approach. Cognitive, Affective, and Behavioral Neuroscience, *15*, 395-415.
107. Etzel, J.A., Cole, M.W., Zacks, J.M., Kay, K.N., and Braver, T.S. (2015). Reward motivation enhances task coding in frontoparietal cortex. Cerebral Cortex. doi:10.1093/cercor/bhu327
108. Cole, M.W., Ito, T., and Braver, T.S. (2015). The behavioral relevance of task information in human prefrontal cortex. Cerebral Cortex. doi:10.1093/cercor/bhv072
109. Richmond, L.L., Redick, T.S., Braver, T.S. (2015). Remembering to prepare: The benefits (and costs) of high working memory capacity. Journal of Experimental Psychology: Learning, Memory, and Cognition, doi:10.1037/xlm0000122.

Book Chapters

1. Braver, T. S., Cohen, J. D., and Servan-Schreiber, D. (1995). A computational model of prefrontal cortex function. In D. S. Touretzky, G. Tesauro, and T. K. Leen (Eds.) Advances in Neural Information Processing Systems, (Vol. 7, pp. 141-148). MIT Press: Cambridge, MA.

2. O'Reilly, R.C., Braver, T.S., and Cohen, J.D. (1999). A biologically-based computational model of working memory. In Miyake, A. and Shah, P. (Eds.) Models of Working Memory: Mechanisms of active maintenance and executive control. (pp. 102-134). Cambridge, U.K.: Cambridge University Press.
3. Buckner, R. L. and Braver, T.S. (1999). Event-related functional MRI. In Bandettini, P. and Moonen, C. (Eds.) Functional MRI. (pp. 441-452). Springer-Verlag: Germany.
4. Braver, T.S., and Cohen, J.D. (2000). On the control of control: The role of dopamine in regulating prefrontal function and working memory. In Monsell, S. and Driver, J. (Eds.) Attention and Performance XVIII. (pp. 713-737). Cambridge, MA: MIT Press.
5. Braver, T.S., Barch, D.M., and Cohen, J.D. (2002). The role of prefrontal cortex in normal and disordered cognitive control: A cognitive neuroscience perspective. In Stuss, D.T. and Knight, R.T. (Eds.) Principles of Frontal Lobe Function. (pp. 428-448). Oxford: Oxford University Press.
6. Gray, J. R., and Braver, T. S. (2002). Integration of emotion and cognitive control in lateral prefrontal cortex: A neurocomputational hypothesis. In S. C. Moore and M. R. Oaksford (Eds.) Emotional cognition (pp. 289-316). Amsterdam/Philadelphia: John Benjamins.
7. Braver, T.S. (2003). Working memory. In Byrne, J.H. (Ed.) Learning and Memory, Second Edition. New York: Macmillan Reference USA.
8. McDermott, K.B. and Braver, T.S. (2004). The next step: Faculty position or postdoctoral fellowship? In M. Zanna, J.Darley, and H.L. Roediger (Eds.) The Compleat Academic: A Practical Guide for the Beginning Social Scientist, 2nd Edition (pp.17-30). Washington DC: APA Press.
9. Botvinick, M.M., Braver, T.S., Yeung, N., Ullsperger, M., Carter, C.S., Cohen, J.D. (2004). Conflict monitoring: Computational and empirical studies. In Posner, M.I. (Ed.), Cognitive Neuroscience of Attention. (pp. 91-102). New York: Guilford Press.
10. Gray, J.R., Schaefer, A., Braver, T.S., and Most, S.B. (2005). Affect and the resolution of cognitive control dilemmas. In Feldman-Barrett, L., Niedenthal, P., Winkielman, P. (Eds.) Emotion: Conscious and unconscious. (pp. 67-94). New York: Guilford Press.
11. Barch, D.M. and Braver, T.S. (2005). Cognitive control in schizophrenia: Psychological and neural mechanisms. In Engle, R. W., Sedek, G., von Hecker, U., & McIntosh, D. N. (Eds.) Cognitive Limitations in Aging and Psychopathology: Attention, Working Memory, and Executive Functions. Cambridge, U.K.: Cambridge University Press.
12. Braver, T.S. and Ruge, H. (2006) Functional neuroimaging of executive functions. In Cabeza, R. and Kingstone, A. (Eds.) Handbook of Functional Neuroimaging of Cognition. (pp. 307-347). Cambridge, MA: MIT Press.

13. Braver, T.S. (2007). Working memory. In Smith, E.E. and Kosslyn, S.M. (Eds.) Cognition: Mind and Brain. (pp.239-297). New York: Prentice Hall.
14. Braver, T.S., Gray, J.R., Burgess, G.C. (2007). Explaining the many varieties of working memory variation: Dual mechanisms of cognitive control. In Conway, A., Jarrold, C., Kane, M., Miyake, A., Towse, J. (Eds.) Variation in Working Memory. (pp. 76-106). Oxford: Oxford University Press.
15. Ruge, H. and Braver, T.S. (2007). Neural mechanisms of cognitive control in task-switching: Preparation, representation, and rules. In Bunge, S.A. and Wallis, J.D. (Eds.). The Neuroscience of Rule-Guided Behavior (pp.255-283). Oxford University Press: New York, NY.
16. Braver, T.S. and West, R. L. (2008). Working memory, executive processes, and aging. In Craik, F. I., and Salthouse, T.L. (Eds.). Handbook of Aging and Cognition, 3rd Edition (pp.311-372). Lawrence Erlbaum Associates.: New York, NY.
17. Braver, T.S., DePisapia, N., and Repovs, G. (2008). Computational models of attention and cognitive control. In Sun, R. (Eds.) Cambridge Handbook of Computational Cognitive Modeling (pp.422-450). Cambridge University Press: Cambridge, MA.
18. Locke, H.S. and Braver, T.S. (2010). Motivational influences on cognitive control: A cognitive neuroscience perspective. In, Hassin, R., Ochsner, K. and Trope, Y. (Eds.). From Society to Brain: The New Sciences of Self Control (pp.114-140). Oxford University Press: Oxford UK.
19. Yarkoni, T. and Braver, T.S. (2010). Cognitive neuroscience approaches to individual differences in executive control: Conceptual and methodological issues. In Mathews, G., Szymura, B. and Gruszka, A. (Eds.) The Handbook of Individual Differences in Cognition: Attention, Memory, and Cognitive Control (pp. 87-107). Springer Press: New York, NY.
20. Meiran, N., Cole, M.W., and Braver, T.S. (2013). When planning results in loss of control: Intention-based reflexivity and proactive control. In Seebab, G., Schmitz, M., and Gollwitzer, P.M. (Eds.). Acting Intentionally and Its Limits: Individuals, Groups, Institutions. Walter de Gruyter GmbH: Berlin, Germany.
21. Krug, M.K. and Braver, T.S. (2014). Motivation and cognitive control: Going beyond monetary incentives. In Bijleveld, E. and Aarts, H. (Eds.) The Psychological Science of Money. Springer Press: New York, NY.

Invited Reviews, Editorials and Commentaries

1. Cohen, J.D., Dunbar, K., Barch, D.M. and Braver, T.S. (1997). Issues concerning

- relative speed of processing hypotheses, schizophrenic performance deficits, and prefrontal function: Comment on Schooler et al. (1997): Journal of Experimental Psychology: General, 126, 37-41.
2. Barch, D.M., Braver, T.S., Cohen, J.D. and Servan-Schreiber, D. (1998). Context processing deficits in schizophrenia: A reply to Strata, et al. Archives of General Psychiatry, 55, 187-188.
 3. Cohen, J.D., Braver, T.S., and Brown, J.W. (2002). Computational perspectives on dopamine function in prefrontal cortex. Current Opinion in Neurobiology, 12, 223-229.
 4. Gray, J.R., and Braver, T.S. (2002). Cognitive control in altruism and self-control: A social cognitive neuroscience perspective. Commentary on Rachlin. Brain and Behavioral Sciences, 25, 260.
 5. Braver, T.S. and Brown, J.W. (2003). Principles of pleasure prediction: Specifying the neural dynamics of human reward learning. Neuron, 38, 150-152.
 6. Barch, D.M. and Braver, T.S. (2003). When the rubber meets the road: The importance of implementation. Commentary on Phillips and Silverstein. Brain and Behavioral Sciences, 26, 83-84.
 7. Thompson-Schill, S.L, Braver, T.S., and Jonides, J. (2005). Individual differences. Editorial to Special Issue. Cognitive, Affective and Behavioral Neuroscience, 5, 115-116.
 8. Burgess, G.C., Braver, T.S., and Gray, J.R. (2006). Exactly how are fluid intelligence, working memory, and executive function related? Cognitive neuroscience approaches to investigating the mechanisms of fluid cognition. Commentary on Blair. Brain and Behavioral Sciences, 29, 128-129.
 9. Braver, T.S. and Barch, D.M. (2006). Extracting core components of cognitive control. Trends in Cognitive Sciences, 10, 529-532.
 10. Ridderinkhof, K.R., Nieuwenhuis, S. and Braver, T.S.. (2007). Medial frontal cortex function: An introduction and overview. Editorial to Special Issue. Cognitive, Affective and Behavioral Neuroscience, 7, 261-265.
 11. Braver, T.S., Cole, M.W. and Yarkoni, T. (2010). Vive les differences! Individual variation in the neural mechanisms of executive control. Current Opinion in Neurobiology, 20, 242-250.
 12. Chiew, K.S. and Braver, T.S. (2011). Monetary incentives improve performance, sometimes: Speed and accuracy matter, and so might preparation. Frontiers in Human Neuroscience, 2, 325.

13. Westbrook, J.A., and Braver, T.S. (2013). The economics of cognitive effort. Commentary on Kurzban et al. Brain and Behavioral Sciences, 36, 704-705.

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

Cognitive Neuroscience Society
Society for Neuroscience
Association for Psychological Science
American Psychological Association
Psychonomic Society
Organization for Human Brain Mapping

PROFESSIONAL EXPERIENCE

Editorial Board

Cognitive, Affective, and Behavioral Neuroscience – Consulting Editor 2000-present

Cognitive, Affective, and Behavioral Neuroscience – Guest Editor, Special Issue on Individual Differences, 2005

Cognitive, Affective, and Behavioral Neuroscience – Guest Editor, Special Issue on Medial Frontal Cortex Function, 2007

Cognitive, Affective, and Behavioral Neuroscience – Associate Editor, 2007-2014

Cognitive, Affective, and Behavioral Neuroscience – Consulting Editor, 2014-Present

Frontiers in Computational Neuroscience – Editorial Board, 2012-Present

Motivation Science – Editorial Board, 2014-Present

Grant Reviews

National Institutes of Health – F02B (NRSA), Ad Hoc Reviewer 2011-2012

National Institutes of Health – IFCN-8 (COG), Ad Hoc Reviewer, 2003, 2004
Study Section Member 2006-2010

National Science Foundation – Cognitive Neuroscience Section, Ad Hoc Reviewer

National Institutes of Health –Cognition and Perception (BBBP-4) Ad Hoc Reviewer 2005

National Institutes of Health – Special Emphasis Fellowship Panel (Cognition and Perception), Ad Hoc Reviewer 2005

National Institutes of Aging – Special Emphasis Panel (Aging, Neuroimaging and Cognition)

National Institute of Mental Health – Ad Hoc Reviewer, 2010-Present
(2-4 reviews / year)

McGuigan Dissertation Research Award – Review Committee (2012-Present)

Netherlands Organization for Scientific Research (NWO), Outside Expert Reviewer 2003-Present
(2-3 reviews / year)

Israeli Science Foundation, Outside Expert Reviewer, 2012-Present
(1-2 reviews / year)

FWO (Belgian Science Foundation), Outside Expert Reviewer, 2013-Present
(2-3 reviews / year)

FNRS (French Science Foundation), Outside Expert Reviewer, 2014-Present
(1-2 reviews / year)

Journal Reviewer

American Journal of Psychiatry, Brain Research, Behavioral Neuroscience, Cognitive Brain Research, Cerebral Cortex, Cognitive Neuropsychology, Connection Science, Journal of Cognitive Neuroscience, Journal of Experimental Psychology: General, Journal of Experimental Psychology: Learning, Memory, and Cognition, Journal of Personality and Social Psychology, Journal of Neuroscience, Journal of Neurophysiology, Journal of Neuropsychiatry and Clinical Neurosciences, Human Brain Mapping, Memory and Cognition, Nature Reviews Neuroscience, Nature Neuroscience, Neural Networks, NeuroImage, Neuron, Neuropsychologia, Neuropsychology, Proceedings of the National Academy of Sciences, Psychonomic Bulletin and Review, Psychological Bulletin, Psychological Review, Psychological Science, Psychology & Aging, Science, Trends in Cognitive Sciences

Professional Organization

American Psychological Society Program Committee, Neuroscience Division 2004-2007

DEPARTMENTAL/ UNIVERSITY SERVICE:

Cognitive Search Committee	1998-1999
Image Analysis Center Committee	1998-Present
Undergraduate Advising	1998-Present
Functional Neuroimaging Brown Bag, Co-Organizer	1999-2000
Graduate Recruiting Committee	2001-Present
Graduate Student Admissions Interviews, Neuroscience Program	2002-Present
Faculty Associate, Residential Life Program	2003-2004
Freshman Reading Program, Faculty Leader	2004-Present
Steering Committee, Cognitive Computational & Systems Neuroscience	2004-Present
Behavioral Neuroscience Search Committee	2006-2007
Image Analysis Center, Director	2007-Present
Neuroscience Strategic Planning Committee	2007-2008
PERCSS Task Force	2008-2011
Neuroscience Qualifying Exam Committee	2009-Present
BJC / ICTS Grant Review Panel	2013-Present
Psychology Department Undergraduate Committee	2014-Present

TALKS & PRESENTATIONS

Invited Colloquia

1996	University of Pittsburgh, Medical School
1997	State University of New York, Stony Brook Washington University University of Texas University of Colorado University of California, Santa Barbara University of Minnesota Stanford University
2003	University of Missouri, Columbia University of Illinois, Urbana-Champaign
2004	University of California, San Diego Arizona State University University of Pittsburgh, Center for Neural Basis of Cognition
2005	University of Michigan, Ann Arbor (fMRI Center) Yale University CNRS, Lyon France Trinity University, Dublin Ireland

- 2006 MRC Cognition and Brain Unit, Cambridge England
University College London, England
University of Cardiff, Wales
University of Amsterdam, Netherlands
Oxford University, England
University of Cambridge, England
University of Paris, France
Johns Hopkins University
Gatsby Institute of Computational Neuroscience, London
- 2007 Washington University, Medical School
University of Greifswald, Germany
Dresden University, Germany
- 2008 University of Arizona
University of Newcastle, Australia
New York University
- 2009 Princeton University
University of California, Davis
- 2010 Duke University
University of Maryland (Keynote Address)
NIDA-IRB
- 2011 Washington University, St. Louis Neurobiology Colloquium
MIT
- 2012 University of Pennsylvania, CIRNA
Washington University, St. Louis, ADRC
- 2013 University of California San Diego
University of Texas, Dallas
- 2014 Vanderbilt University
Ben Gurion University, Israel
Dresden University, Germany
Johns Hopkins University
Indiana University
University of Grenoble, France
- 2015 New York University
Princeton University
Southern Illinois University

Invited Symposia and Conference Talks

Cognitive Science Society Pittsburgh, PA	July, 1995
10 th Annual Rotman Research Conference, “The Frontal Lobes” Rotman Research Center, Toronto, ON	March, 2000
Executive Control, Errors, and the Brain, Invited Conference Jena, Germany	September, 2000
Integrated Psychological Science, Invited Conference Indiana University, Bloomington IN	April, 2002
Systems Level Neural Modeling, Invited Conference Ohio State University, Columbus OH	October, 2002
Dopamine and Memory, Invited Conference Rutgers University, Newark NJ	March, 2003
Organization for Human Brain Mapping, Education Course New York, NY	June, 2003
Organization for Human Brain Mapping, Presidential Symposium New York, NY	June, 2003
Computational Neuroscience Society Annual Meeting, Workshops Alicante, Spain	July, 2003
Variation in Working Memory, Invited Conference University of Illinois, Chicago IL	July, 2003
Multidisciplinary Approaches to Prefrontal Cortex Function, Invited Conference, LORIA, Nancy, France	October, 2003
Controlling Thought, Action and Emotion in the Brain Invited Symposium, AERA San Diego	April, 2004
Midwestern Psychological Association Invited Presentation	May, 2004
Adaptive Representation and Control in Vision, Invited Conference University of Rochester	June, 2004

Neurocognitive Bases of Task-Control, Invited Workshop Max Planck Institute, Leipzig Germany	June, 2004
Summer School on Cognitive Neuroscience of Working Memory Invited Speaker, Bled, Slovenia	July, 2004
American Psychological Association Invited Speaker, Honolulu Hawaii	July, 2004
Society for Neuroscience, Chair of Invited Symposium San Diego, CA	October, 2004
Betty Behrens Conference on Self-Regulation Invited Speaker, Cambridge, England	August, 2005
First Annual Conference, Slovenia Neuroscience Association Invited Speaker, Ljubljana Slovenia	November, 2005
Anterior Prefrontal Cortex Function Invited Symposium, Experimental Psychology Society, London England	January, 2006
Invited Conference on Learning Processes in Schizophrenia Invited Speaker, London England	March, 2006
Flexible Remembering: From Aging and Memory to Thinking Invited Symposium, American Psychological Science Conference, New York City	May, 2006
International Society for Behavioral Neuroscience Invited Speaker, Bath England	July, 2006
CNTRICS Conference on Cognition in Schizophrenia Invited Speaker: Executive Control, Washington D.C.	February, 2007
Tsinghua University – Washington University Joint Conference On Philosophy-Neuroscience-Psychology Invited Speaker, Beijing China	July, 2007
Insights from memory studies into basic functions of anterior PFC Invited Symposium, MDRS Cambridge England	September, 2007
CNTRICS Third Conference on Cognition in Schizophrenia Invited Speaker: Executive Control, Sacramento, CA	March, 2008
Neurocognitive approaches to control and working memory Invited Speaker, Leiden Netherlands	May, 2008

Context processing in older adults: Neural mechanisms and potential for enhancement Invited Symposium, MDRS St. Louis, MO	September, 2008
NIA Workshop on Neuroeconomics of Aging Invited Speaker, Evanston, IL	September, 2009
NIDA Workshop on Aging, Motivation and Addiction Invited Speaker, Washington D.C.	October, 2009
Nordic Brain Science Annual Meeting Keynote Speaker, Saint Petersburg Russia	June, 2010
Utah Symposium on Extraordinary Multi-tasking Ability Invited Speaker, Salt Lake City Utah	March, 2011
5 th Annual “Conflicts as Signals” Conference Invited Speaker, Berlin Germany	May, 2011
Summer Institute for Cognitive Neuroscience Invited Speaker, Santa Barbara CA	June, 2011
Mechanisms of Motivation, Cognition and Aging Interactions Panel Leader, Organizer	May, 2013
International Conference on Cognitive and Neural Systems. Invited Speaker, Boston University	June, 2013
SiNAPSA Neuroscience conference Invited Speaker, University of Ljubljana, Slovenia	September, 2013
Society for Affective Science, pre-conference workshop Invited Speaker, Washington, D.C.	April, 2014
Belgian Association for Psychological Science Keynote Speaker, Washington, D.C.	May, 2015

MEDIA APPEARANCES

People Behind By The Science Podcast (August, 2014)
<http://www.peoplebehindthescience.com/dr-todd-braver/>

St. Louis Post Dispatch Interview (March, 2013)
<http://www.stltoday.com/lifestyles/health-med-fit/health/health-matters/washington->

[university-student-accused-of-faking-research/article_c366b458-7849-5613-81b6-478c228cb4e4.html](http://www.wustl.edu/news/2013/04/university-student-accused-of-faking-research/article_c366b458-7849-5613-81b6-478c228cb4e4.html)

WUSTL News Release (April, 2013)

<http://news.wustl.edu/news/Pages/25168.aspx>

WUSTL News Release (July, 2012)

<http://news.wustl.edu/news/Pages/24068.aspx>

TEACHING

Cognitive Neuroscience (3604/4604), 1998-2009

Introductory Statistics (300), 1999, 2000

Biological Psychology (3401), 2003, 2004, 2005, 2008

Working Memory and Executive Control (5082), 2000, 2003

Functional Neuroimaging Methods (4450), 2004, 2006, 2007, 2009, 2012, 2015

Computational Modeling in Cognitive Neuroscience (4418), 2001

Advanced Cognitive, Computational and Cognitive Neuroscience (519), 2004-Present

Advanced Cognitive Neuroscience (4413) 2009-Present

INTER-DISCIPLINARY ACTIVITIES

Cognitive, Computational, and Systems Neuroscience Graduate Pathway 2004-Present
 Founding Member, Steering Committee, Course Organizer

Philosophy, Neuroscience and Psychology Program 2000-Present
 Course Instructor, Advisory Board

STUDENT SUPERVISION

Postdoctoral Fellows

Jeremy Gray (1999-2003): Currently Assistant Professor, Yale University

Alexandre Schaefer (2003-2006); Currently Lecturer, University of Leeds, England

Joshua Brown (2001-2006); Currently Assistant Professor, Indiana University

Hannes Ruge (2003-2007); Currently Assistant Professor, Dresden University, Germany

Nicola de Pisapia (2003-2007); Currently Research Fellow, Center for Mind/Brain Sciences, Trento, Italy

Candice Morey (2007-2008); NRSA Fellowship; Currently Assistant Professor, Experimental and Work Psychology, University of Groningen, Netherlands

Jordan Taylor (2007-2008); Postdoctoral Fellow, University of California Berkeley

Koji Jimura (2008-2010); Uehara Fellowship, Japan; Currently Research Associate Professor, Tokyo Institute of Technology

Mike Cole (2009-2013) Asst Professor at Rutgers University (Jan, 2014)

Marie Krug (2010-2013); Currently Staff Scientist, Washington University

Pamela LaMontagne (2010-2012); Currently Senior Clinical Research Coordinator, Washington University School of Medicine
 Bidhan Lamicchane (2015-Present)

Graduate Students

Beth Keys (1998-2001): Currently Staff Neuropsychologist, Mayo Clinic, Jacksonville Florida
 Nicole Speer (1999-2002); Currently Director of Operations • Intermountain Neuroimaging Consortium, University of Colorado, Boulder
 Jeremy Reynolds (2000-2005); Assistant Professor, University of Denver
 Greg Burgess (2002-2005); Currently Research Scientist, Washington University School of Medicine
 Hannah Sypher (2002-2008); Currently Senior Health Program Analyst, Government Accountability Office
 Tal Yarkoni (2003-2009); Currently Postdoctoral Fellow, University of Colorado, Boulder
 Jessica Paxton (2003-2009; co-supervised with Deanna Barch & Martha Storandt)
 Kimberly Chiew (2007-2013) Currently Postdoctoral Research Fellow, Duke University
 Andrew Westbrook (2010-current)
 Debbie Yee (2013-current)
 Shelly Cooper (2014-current)
 Rongxiang Tang (2015-current)

Doctoral Thesis Committees

Joe Simpson (2000; Neuroscience Program MSTP)
 Beth Keys (2001; Co-Chaired with Professor Deanna Barch)
 Rich Hartman (2001)
 Dan Weiskopf (2002; PNP Program)
 Meredith Dodge Melinder (2003)
 Lisa Emery (2005)
 Jeremy Reynolds (2005; Chair)
 Caroline Racine (2005)
 Greg Burgess (2005; Chair)
 Clare Kelly (2006; External Examiner, Trinity University, Dublin Ireland)
 Rosalyn Cowell (2006; External Examiner, Oxford University, England)
 Jordan Taylor (2007; CCSN Program)
 Shefali Brahmatt (2008)
 Hannah Locke (2008; Chair)
 Jessica Paxton (2009; Co-Chair with Deanna Barch)
 Tal Yarkoni (2009; Chair)
 Patrick Brown (2009)
 Feng Du (2010)
 Alan Anticevic (2010)
 Beth Mulligan (2011)
 Karla Becerril (2012; Neuroscience Program)

Erin Dowd (2013; Neuroscience Program)
Alan Ceaser (2014)
Yu-Sun Chung (2014)
Katherine Luking (2015; Neuroscience Program)
Joe Dubis (2013, Chair, Neuroscience Program)
Kimberley Chiew (2013; Chair)
Elise Mansfield (2013; University of Newcastle, Australia)
Justin Cox (2014)
Luis Oliveira (2014)
Corentin Gonthier (2014; University of Grenoble, France)
Andrew Westbrook (current; Chair)
Harry Papadimitriou (2015; Neuroscience Program)
Laura Hennefield (2015)
Arianna Vanderveldt (current)
Andy Aschenbrenner (current)
Katie Cohnen (current; Neuroscience Program)
Jue Xie (current; Neuroscience Program)

Masters Thesis Committees

Nicole Speer (2000)
Meredith Dodge Melinder (2000)
Jennifer Burbridge (2000)
Carrie Racine (2001)
Jeremy Reynolds (2002)
Stefan van der Stigchel (2003; University of Utrecht)
Hannah Locke (2005)
Tal Yarkoni (2005)
Jessica Paxton (2005)
Adam Savine (2008)
Kimberly Chiew (2008)
Justin Cox (2010)
Andrew Westbrook (2011)
Michelle Eisenberg (2013)
Julia Sheffield (2014)
Adam Culbreth (2015)

Subject Matter Orals Committees

Beth Keys (1999)
Carrie Racine (2001)
Nicole Speer (2002)
Lisa Emery (2002)

Jeremy Reynolds (2003)
Greg Burgess (2004)
Khena Swallow (2004)
Tara McAuley (2005)
Hannah Locke (2005)
Tal Yarkoni (2007)
Jessica Paxton (2007)
Alan Anticevic (2008)
Ben Anderson (2008)
Ronny Dosenbach (2009; Neuroscience Program)
Katherine Luking (2009; Neuroscience Program)
Jonathan Power (2009; Neuroscience Program)
Heather Wilkins (2010; Neuroscience Program)
Adam Savine (2010)
Kimberly Chiew (2010)
Michael Scullin (2010)
Jonathan Jackson (2011)
Michelle Eisenberg (2013)
Andrew Westbrook (2013; Chair)
Grace Hwang (2015)

Undergraduate Honors Theses

Shawn Goozh (1999)
Seema Sikka (2000; PNP Program)
Andrew Jones (2000)
Lisa Rogo (2002; PNP Program)
Julia Keighley (2010; PNP Program)
Lauren Patrick (2014)
Noah Eby (current)

Undergraduate Independent Study

Joshua Bedwell (1999)
Michael Orland (1999)
Debra Sawyer (1999)
Jessica Fivecoat (2000)
Andrew Jones (2000-2002)
Sarah Noonan (2000)
Seema Sikka (2000)
Eric Stokka (2000)
Michael Lawler (2000)
Lisa Rogo (2000-2002)
Bryan Tilton (2000)

Erika Eisenberg (2001)
Mitchell Dornfeld (2001)
Radha Duggal (2001)
Tom Joseph (2001,2002)
Stephanie Hanson (2001)
Amy Kung (2002)
Stefan van der Stigchel (2002)
Jessica Slomski (2003)
Tara Lohr (2003-2005)
Sara Klayton (2004)
Michael Sherling (2004)
Michael Trakhtenbroit (2004)
David Borton (2005)
Joshua Lawrence (2006)
Jacob Greenberg (2007-2008)
Jordan Livingston (2007-2008)
Matthew Smith (2008)
Shayna Makaron (2008)
Sam Moore (2010)
Shoko Otake (2010)
Julie Zhou (2010)
Cameron Smith (2010)
Takuya Ito (2011)
Kevin Oksanen (2011)
Lauren Patrick (2011, 2013)
John Freeman (2011)
Ariel Allen (2013-2014)
Noah Eby (2014)
Harold Lee (2014-2015)
Adam Cohen-Nowak (2014)
Miriam Zawadzki (2014-2015)

Full-Time Research Assistants

David Molfese (1998-2000; shared with Professor Kathleen McDermott)
Sarah Lageman (1998-2001; shared with Professor Kathleen McDermott)
Susan Bongiolatti (1999-2001)
Ajay Satpute (2000-2002)
Andrew Jones (2001-2002)
Christine Hoyer (2001-2004)
Liz Chrastil (2002-2004)
Adrienne Casagrand (2004-2007)
Carol Cox (2003-current)
Tim Heaven (2004-2007)

Bethany Edwards (2007-2009)
Joe Hilgard (2007-current)
Bruna Martins (2009-2011)
Maria Chushak (2009-2011)
Jordan Livingston (2010-2012)
Kevin Oksanen (2011-current)
Ben Acland (2013-2014)
Sarah Adams (2014-current)