Daphna Shohamy, PhD
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POSITIONS

2023-present	Director and CEO, Zuckerman Mind, Brain, Behavior Institute
2022-2023	Associate Director, Zuckerman Mind, Brain, Behavior Institute
2021-present	Kavli Professor of Brain Science, Columbia University, Psychology and Zuckerman Mind, Brain, Behavior Institute
2021-present	Co-Director of Columbia University's Kavli Institute for Brian Science
2018-2021	Professor, Columbia University, Psychology and Zuckerman Mind, Brain, Behavior Institute
2013-2018	Associate Professor, Columbia University, Psychology and Zuckerman Mind, Brain, Behavior Institute
2007-2013	Assistant Professor, Columbia University, Psychology

EDUCATION & TRAINING

2004-2007	Postdoctoral Research Fellow, Department of Psychology, Stanford University
1997-2003	Ph.D., Rutgers University, Center for Neuroscience; Dissertation: *The Role of the Basal Ganglia in Learning and Memory: Evidence from Parkinson's Disease*. Advisor: Mark A. Gluck
1992-1996	B.A., Tel-Aviv University; Double major in Psychology and Humanities

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AWARDS & HONORS

2019	Brenda Milner Keynote Lecture, Montreal Neurological Institute
2019	Invited Fellow, Israeli Institute for Advanced Studies
2017	Invited Special Lecture, Society for Neuroscience
2017	Elected Member, Dana Foundation
2017	Elected Member, International Neuropsychological Society
2016	Memory and Cognitive Disorders Award, McKnight Foundation
2014	Young Investigator Award, Cognitive Neuroscience Society
2013	Young Investigator Award, Society for Neuroeconomics
2012	Lenfest Distinguished Faculty Award, Columbia University
2011	Janet Spence Award for Transformative Early Career Contributions, APS
2010	National Science Foundation Career Development Award
2008	Young Investigator Award, NARSAD
2004	Postdoctoral Individual National Research Service Award, NIMH
2003	Dean's Dissertation Award for Best Dissertation, Rutgers University
1996-1997	Lehrman Fellowship for Academic Excellence

RESEARCH SUPPORT

Current funding

2023-2028	The Geometry of Neural Representations Reflecting Abstraction in Humans, *NIH/NIMH RO1*, PI (Co-PI Daniel Salzman)

Completed funding

2020-2025	Brain Research Apprenticeships in New York at Columbia (BRAINYAC), *NIH/NIMH R21*, PI
2019-2024	Differentiating Reward Seeking and Loss Aversion with Reference-Dependent Learning Models, *NIH/NIMH RO1*, Co-PI (with Nathaniel Daw)
2017-2023	Beholder's Share by Focusing on Brain Mechanisms in Response to Art, *Azrieli Foundation*, Co-PI (with Eric Kandel)
2018-2022	Prioritization of memory reactivation for decision-making, CRCNS Collaborative Research, *National Science Foundation*, Co-PI (with Daw)
2017-2022	Understanding How Curiosity Drives Learning, *Templeton Foundation*, Science of Virtue Award, PI of multi-center project
2017-2022	Beholder's Share by Focusing on Brain Mechanisms in Response to Art *Dana Foundation*, Co-PI (with Kandel)
2019-2022	Approach or Avoidance When Food is the Outcome: A New Mechanistic Model of Anorexia Nervosa, *Klarman Family Foundation*, Co-PI (with Joanna Steinglass)
2017-2022	Mechanisms of Decision Making in Anorexia Nervosa: A Computational Psychiatry Approach, *Klarman Family Foundation* Research Grant, PI
2015-2020	Neural Mechanisms of Food Choice in Anorexia Nervosa, *NIH/NIMH R01*, Co-PI (with Steinglass)
2014-2020	Computational and Neural Mechanisms of Memory-Guided Decisions, *NIH/NIDA R01*, Co-PI (with Daw)
2016-2019	How Episodic Memory Guides Decisions: Neural Mechanisms and Implications for Memory Loss, *McKnight Foundation* Memory and Cognitive Disorders Award, PI
2016-2018	Zuckerman Public Outreach, Dana Foundation, Co-PI (with Kandel)
2016-2017	Understanding the Effects of Aging on Curiosity and Learning: Neural and Cognitive Mechanisms, Columbia Aging Center Faculty Research Fellowship, PI
2014-2016	A Role of Dopamine in Prospection, *Templeton Foundation,* Science of Prospection Award, Co-PI (with Karin Foerde)
2011-2015	Goals vs. Habits in the Human Brain: Cognitive and Computational Mechanisms, *NIH R01*, PI
2010-2015	Integrating Neuroimaging and Patient Studies of Learning and Decision Making, NSF Career Development Award, PI
2009-2013	Investigating Placebo Effects in Parkinson's Disease with Functional MRI, *Michael J. Fox Foundation,* Co-PI (with Tor Wager)
2009-2014	Learning to Avoid Pain: Computational Mechanisms and Application to Methamphetamine, *NIH/NIDA*, Co-PI and PI of Subcontract (PI: Wager)
2009-2011	Using fMRI to Measure Negative Symptoms in Schizophrenia NIH/NIMH, Co-PI (with Edward Smith)
2009-2010	Neural Systems of Learning and Memory in Addiction, *NIH/NIDA*, PI
2008-2010	The Cognitive Neuroscience of Learning and Motivation in Schizophrenia: Combining fMRI and Patient Studies; NARSAD Young Investigator Award

Funding and awards to trainees*

National Institute of Mental Health, MOSAIC K99-R00 (Catherine Insel, 2023)
Leon Levy Scholars in Neuroscience Fellowship (Shai Berman, 2023)
National Science Foundation SBE Postdoctoral Research Fellowship (Catherine Insel, 2020)
National Science Foundation SBE Postdoctoral Research Fellowship (Zarrar Shehzad, 2018)
National Science Foundation Graduate Research Fellowship Award (Jonathan Nicholas, 2017)
NIH National Research Service Award, Postdoctoral Training Fellowship, T32 (Daniel Kimmel, 2017)
National Science Foundation Graduate SBE Postdoctoral Research Fellowship (Akram Bakkour, 2016)
NIH National Research Service Award, Predoctoral Training Fellowship, F31 (Raphael Gerraty, 2016)
Columbia University Presidential Scholars in Society and Neuroscience Seed Grant (Celia Durkin, 2016)
National Science Foundation Graduate Research Fellowship Award (Ellen Tedeschi, 2015)
National Science Foundation Graduate Research (Erin Braun, 2014)
National Science Foundation Graduate Research, Honorable mention (Raphael Gerraty, 2013)
Canadian Institute for Health Research Fellowship (Katherine Duncan, 2013)
NIH/NIMH T32 Postdoctoral Fellowship (Suzanne Wood, 2012)
National Science Foundation Graduate Research Fellowship Award (Juliet Davidow, 2011)
NIH/NINDS Postdoctoral National Research Service Award (Karin Foerde, 2009)

PUBLICATIONS

Original Research Articles

1. Montaser-Kouhsari, L., Nicholas, J., Gerraty, R., & **Shohamy, D.** (2025). Differentiating reinforcement learning and episodic memory in value-based decisions in Parkinson's Disease. *Journal of Neuroscience.*
2. Durkin, C., Apicella, M., Baldassano, C., Kandel, E., & **Shohamy, D.** (2025). The Beholder's Share: Bridging art and neuroscience to study individual differences in subjective experience. *Proceedings of the National Academy of Sciences*. *122*(15).
3. Nicholas, J., Daw, N. D., & **Shohamy, D.** (2025). Proactive and reactive construction of memory-based preferences. *Nature Communications, 16*(1).
4. Zylberberg, A., Bakkour, A., **Shohamy, D.**, & Shadlen, M. N. (2024). Value construction through sequential sampling explains serial dependencies in decision making. *eLife*, *13.*
5. Nicholas, J., Amlang, C., Lin, C. R., Montaser-Kouhsari, L., Desai, N., Pan, M., Kuo, S., & **Shohamy, D.** (2024). The role of the cerebellum in learning to predict reward: evidence from cerebellar ataxia. *The Cerebellum*, *23*(4), 1355-1368.
6. Kay, K., Biderman, N., Khajeh, R., Beiran, M., Cueva, C. J., **Shohamy, D.,** Jensen, G., Wei, X. X, Ferrera, V. P., & Abbott, L. F. (2024). Emergent neural dynamics and geometry for generalization in a transitive inference task. *PLOS Computational Biology, 20*(4).
7. Abir, Y., Shadlen, M. N., **Shohamy, D.** (2024). Human exploration strategically balances approaching and avoiding uncertainty. *eLife*, *13.*
8. Montaser-Kouhsari, L., Bakkour, A., & **Shohamy, D.** (2023). The role of dopaminergic therapy on cognition in Parkinson's disease. *Parkinsonism & Related Disorders.* 113.
9. Biderman, N., Gershman, S. J., & **Shohamy, D.** (2023). The role of memory in counterfactual valuation. *Journal of Experimental Psychology: General*, *152*(6), 1754-1767.
10. Barack, D. L., Bakkour, A., **Shohamy, D.,** & Salzman, C. D. (2023). Visuospatial information foraging describes search behavior in learning latent environmental features. *Scientific Reports, 13*(1), 1126.
11. Durkin, C., White, E. N., Baldassano, C., Kandel, E., & **Shohamy, D.** (2022). Shared and subjective interpretation of abstract art. *Journal of Vision, 22*(14), 4251-4251.
12. Nicholas, J., Daw, N. D., & **Shohamy, D.** (2022). Uncertainty alters the balance between incremental learning and episodic memory. *eLife*, *11*, e81679.
13. Colas, J. T., Dundon, N. M., Gerraty, R. T., Saragosa-Harris, N. M., Szymula, K. P., Tanwisuth, K., Tyszka, J.

M., van Geen, C., Ju, H., Toga, A. W., Gold, J. I., Bassett, D. S., Hartley, C. A., **Shohamy, D.**, Grafton, S. T., & O'Doherty, J. P. (2022). Reinforcement learning with associative or discriminative generalization across states and actions: fMRI at 3 T and 7 T. *Human Brain Mapping, 43*(15), 4750–4790.

14. Foerde, K., Schebendach, J. E., Davis, L., Daw, N., Walsh, B. T., **Shohamy, D.,** & Steinglass, J. E. (2022). Restrictive eating across a spectrum from healthy to unhealthy: behavioral and neural mechanisms. *Psychological Medicine*, *52*(9), 1755-1764.
15. Lang, E. A., van Geen, C., Tedeschi, E., Marvin, C. B., & **Shohamy, D.** (2022). Learned temporal statistics guide information seeking and shape memory. *Journal of Experimental Psychology: General*, *151*(5), 986-995.
16. Abir, Y., Marvin, C. B., van Geen, C., Leshkowitz, M., Hassin, R. R., & **Shohamy, D.** (2022). An energizing role for motivation in information-seeking during the early phase of the COVID-19 pandemic. *Nature Communications*, *13*(1), 2310.
17. Lahlou, S., Gabitov, E., Owen, L., **Shohamy, D.,** & Sharp, M. (2022). Preserved motor memory in Parkinson's disease. *Neuropsychologia*, *167,* 108161.
18. Xue, A. M., Foerde, K., Walsh, B. T., Steinglass, J. E., **Shohamy, D.**, & Bakkour, A. (2022). Neural representations of food-related attributes in the human orbitofrontal cortex during choice deliberation in anorexia nervosa. *Journal of Neuroscience*, *42*(1), 109-120.
19. Botvinik-Nezer, R., Bakkour, A., Salomon, T., **Shohamy, D.**, & Schonberg, T. (2021). Memory for individual items is related to nonreinforced preference change. *Learning & memory, 28*(10), 348–360.
20. Foerde, K., Walsh, B. T., Dalack, M., Daw, N., **Shohamy, D.,** & Steinglass, J. E. (2021). Changes in brain and behavior during food-based decision-making following treatment of anorexia nervosa*. Journal of eating disorders*, *9*(1), 48.
21. Biderman, N., & **Shohamy, D.** (2021). Memory and decision making interact to shape the value of unchosen options. *Nature communications*, *12*(1), 4648.
22. Foerde, K., Daw, N. D., Rufin, T., Walsh, B. T., **Shohamy, D**., & Steinglass, J. E. (2021). Deficient goal-directed control in a population characterized by extreme goal pursuit. *Journal of Cognitive Neuroscience*, *33*(3), 463-481.
23. Kouhsari, L. M., Bakkour, A., & **Shohamy, D.** (2021). How Parkinson's disease affects working memory. *Parkinsonism & Related Disorders*, *79*, e87-e88.
24. Durkin, C., Shehzad, Z., Kandel, E., & **Shohamy, D.** (2020). Effects of perceptual and categorical novelty on construal level. *Journal of Vision*, *20*(11).
25. Bertolero, M., Dworkin, J., David, S., Lopez Lloreda, C., Srivastava, P., Stiso, J., Zhou, D., Dzirasa, K., Fair, D., Kaczkurkin, A., Jones Marlin, B., **Shohamy, D.,** Uddin, L., Zurn, P., & Bassett, D. (2020). Racial and ethnic imbalance in neuroscience reference lists and intersections with gender. *bioRxiv.*
26. Marvin, C. B., Tedeschi, E., & **Shohamy, D.** (2020). Curiosity as the impulse to know: common behavioral and neural mechanisms underlying curiosity and impulsivity. *Current Opinion in Behavioral Sciences*, *35*, 92-98.
27. Uniacke, B., Slattery, R., Walsh, B. T., **Shohamy, D.**, Foerde, K., & Steinglass, J. (2020). A comparison of food-based decision-making between restricting and binge-eating/purging subtypes of anorexia nervosa. *International Journal of Eating Disorders*, *53*(10), 1751-1756.
28. Durkin, C., Hartnett, E., **Shohamy, D.,** & Kandel, E. R. (2020). An objective evaluation of the beholder's response to abstract and figurative art based on construal level theory. *Proceedings of the National Academy of Sciences, 117*(33), 19809-19815.
29. Biderman, N., Bakkour, A., & **Shohamy, D.** (2020). What are memories for? The hippocampus bridges past experience with future decisions. *Trends in Cognitive Science*, *24*(7), 542-556.
30. Sharp, M. E., Duncan, K., Foerde, K., & **Shohamy, D.** (2020). Dopamine is associated with prioritization of reward-associated memories in Parkinson's disease. *Brain*, *143*(8), 2519-2531.
31. Duncan, K., Semmler, A., & **Shohamy, D.** (2019). Modulating the use of multiple memory systems in value-based decisions with contextual novelty. *Journal of Cognitive Neuroscience*, *31*(10), 1455-1467.

32. Bakkour, A., Palombo, D. J., Zylberberg, A., Kang, Y. H., Reid, A., Verfaellie, M., Shadlen, M. N., & **Shohamy, D.** (2019). The hippocampus supports deliberation during value-based decisions. *eLife*, 8, e46080.
33. Gerraty, R. T., Sharp, M. E., Buch, A., Bassett, D. S., & **Shohamy, D.** (2019). Dopamine modulates learning-related changes in dynamic striatal-cortical connectivity in Parkinson's disease. bioRxiv.
34. Rouhani, N., Wimmer, G. E., Schneier, F. R., Fyer, A. J., **Shohamy, D.**, & Simpson, H. B. (2019). Impaired generalization of reward but not loss in obsessive–compulsive disorder. *Depression and anxiety*, *36*(2), 121-129.
35. Braun, E. K., Wimmer, G. E., & **Shohamy D**. (2018). Retroactive and graded prioritization of memory by reward. *Nature Communication, 9*(1), 4886.
36. Vikbladh, O., Meager, M., King, Blacmon, Devinsky, O., **Shohamy, D**., Burgess, N., & Daw, N. D. Hippocampal contributions to model-based planning and spatial memory. *Neuron*, *102*(3).
37. Nasaleris, T., Bassett, D., Fletcher, A., Kording, K., Kriegeskorte, N., Nienborg, H., Poldrack, R. A., **Shohamy, D.,** & Kay, K. (2018). Cognitive computational neuroscience: A new conference for an emerging discipline. *Trends in Cognitive Sciences*, *22*(5), 365-367.
38. Gerraty, R. T., Davidow, J. D., Foerde, K., Galvan, A., Bassett, D. S., & **Shohamy, D.** (2018). Dynamic flexibility in striatal-cortical circuits supports reinforcement learning. *Journal of Neuroscience*, *38*(10), 2442-2453.
39. Duncan, K. D., Doll, B. B., Daw, N. D., & **Shohamy, D.** (2018). More than the sum of its parts: A role for the hippocampus in configural reinforcement learning. *Neuron*, *98*(3), 645-657.
40. Foerde, K., Gianini, L., Wang, Y., Wu, P*.,* **Shohamy, D.,** Walsh, B. T., & Steinglass, J. E. (2018). Assessment of test-retest reliability of a food choice task among healthy individuals. *Appetite*, *123,* 352-356.
41. Bornstein, A. M., Khaw, M. W., **Shohamy, D.,** & Daw, N.D. (2017). Reminders of past choices bias decisions for reward in humans. *Nature Communications*, *8*, 15958.
42. Duncan, K. D., **Shohamy, D.** (2016). Memory states influence value-based decisions. *Journal of Experimental Psychology: General, 145*(11), 1420-1426*.*
43. Davidow, J. Y., Foerde, K., Galván, A., & **Shohamy, D.** (2016). An upside to reward sensitivity: The hippocampus supports enhanced reinforcement learning in adolescence. *Neuron*, *92*(1), 93-99.
44. Reinen, J. M., Van Snellenberg, J. X., Horga, G., Abi-Dargham, A., Daw, N. D., & **Shohamy, D.** (2016). Motivational context modulates prediction error responses in schizophrenia. *Schizophrenia Bulletin*, *42*(6), 1467-1475.
45. Van Snellenberg, J. X., Girgis, R. R., Horga, G., van de Giessen, E., Slifstein, M., Ojeil, N., Weinstein, J. J., Moore, H., Lieberman, J. A., **Shohamy, D.** & Smith, E. E. (2016). Mechanisms of working memory impairment in Schizophrenia. *Biological Psychiatry, 80*(8), 617-626.
46. Zaki, J., Kallman, S., Wimmer, G. E., Ochsner, K., & **Shohamy, D.** (2016). Social cognition as reinforcement learning: feedback modulates emotion inference. *Journal of Cognitive Neuroscience*, *28*(9), 1270-1282.
47. Foerde, K., Figner, B., Doll, B. B., Woyke, I. C., Braun, E. K., Weber, E. U., & **Shohamy, D.** (2016). Dopamine modulation of intertemporal decision-making: Evidence from Parkinson disease. *Journal of Cognitive Neuroscience*, *28*(5), 657-667.
48. Marvin, C. B., & **Shohamy, D.** (2016). Curiosity and reward: Valence predicts choice and information prediction errors enhance learning. *Journal of Experimental Psychology: General*, *145*(3), 266-272.
49. Sharp, M. E., Foerde, K., Daw, N. D., & **Shohamy, D.** (2015). Dopamine selectively remediates 'model-based' reward learning: A computational approach. *Brain*, *139*(2), 355-364.
50. Foerde, K., Steinglass, J. E., **Shohamy, D.**, & Walsh, B. T. (2015). Neural mechanisms supporting maladaptive food choices in anorexia nervosa. *Nature Neuroscience*, *18*(11), 1571-1573.
51. Doll, B. B., Duncan, K. D., Simon, D. A., **Shohamy, D.,** & Daw, N. D. (2015). Model-based choices involve prospective neural activity. *Nature Neuroscience*, *18*(5), 767-772.
52. Foerde, K., Braun, E. K., Higgins, E. T., & **Shohamy, D.** (2015). Motivational modes and learning in Parkinson's disease. *Social cognitive and affective neuroscience, 10*(8), 1066–1073.
53. Steinglass, J., Foerde, K., Kostro, K., **Shohamy, D.**, & Walsh, B. T. (2015). Restrictive food intake as a choice—A paradigm for study. *International Journal of Eating Disorders*, *48*(1), 59-66.

54. Van Snellenberg, J. X., Slifstein, M., Read, C., Weber, J., Thompson, J. L., Wager, T. D., **Shohamy, D.,** Abi-Dargham, A., & Smith, E. E. (2015). Dynamic shifts in brain network activation during supracapacity working memory task performance. *Human brain mapping, 36*(4), 1245-1264.
55. Schmidt, L., Braun, E. K., Wager, T., & **Shohamy, D.** (2014) Mind matters: Placebo enhances reward learning in Parkinson's disease. *Nature Neuroscience, 17*(12), 1793-1797.
56. Roy, M., **Shohamy, D.**, Daw, N. D., Jepma, M., Wimmer, G. E., & Wager, T. (2014). Representation of aversive prediction errors in the human periaqueductal gray. *Nature Neuroscience, 17*(11), 1607-1612.
57. Wimmer, G. E. Braun, E. K., Daw, N. D., & **Shohamy, D.** (2014). Episodic memory encoding interferes with reward learning and decreases striatal prediction errors. *Journal of Neuroscience, 34*(45), 14901-14912.
58. Gerraty, R., Davidow, J., Wimmer, G. E., Kahn, I., & **Shohamy, D.** (2014). Transfer of learning relates to intrinsic connectivity between hippocampus, ventromedial prefrontal cortex, and large-scale networks. *Journal of Neuroscience, 34*(34), 11297-11303.
59. Insel, C., Reinen, J., Weber, J., Wager, T. D., Jarskog, L. F., **Shohamy, D**., & Smith, E. E. (2014). Antipsychotic dose modulates behavioral and neural responses to feedback during reinforcement learning in schizophrenia. *Cognitive, Affective, & Behavioral Neuroscience*, *14*(1), 189-201.
60. Reinen, J., Smith, E. E., Insel, C., Kribs, R., **Shohamy, D.,** Wager, T. D., & Jarskog, L. F. (2014). Patients with schizophrenia are impaired when learning in the context of pursuing rewards. *Schizophrenia research*, *152*(1), 309.
61. Foerde, K., Race, E., Verfaellie, M., & **Shohamy, D.** (2013). A role for the medial temporal lobe in incremental feedback-driven learning: Evidence from amnesia. *Journal of Neuroscience*, *33*(13), 5698-5704.
62. Kahn, I., & **Shohamy, D.** (2013). Intrinsic connectivity between the hippocampus, nucleus accumbens, and ventral tegmental area in humans. *Hippocampus, 23*(3), 187-192.
63. Wimmer, G. E. & **Shohamy**, D. (2012). Preference by association: How memory mechanisms in the hippocampus bias decisions. *Science*, *338*(6104), 270-273.
64. Foerde, K., Braun, E. K. & **Shohamy**, D. (2012). A trade-off between feedback-based learning and episodic memory for feedback events: Evidence from Parkinson's disease. *Neurodegenerative Disorders*, *11*(2), 93-101.
65. Wimmer, G. E., Daw, N. D. & **Shohamy**, D. (2012). Generalization of value in reinforcement learning by humans. *European Journal of Neuroscience*, *35*(7), 1092-1104.
66. Ivleva, E., **Shohamy**, D., Mihalakos, P., Morris, D. W., Carmody, T. & Tamminga, C. A. (2012). Memory generalization is selectively altered in the psychosis dimension. *Schizophrenia Research*, *138*(1), 74-80.
67. Foerde, K. & **Shohamy**, D. (2011). Feedback timing modulates brain systems for learning in humans. *Journal of Neuroscience*, *31*(37), 13157-13167**.**
68. Sadeh, T., **Shohamy, D**., Levy, D. R., Reggev, N., & Maril, A. (2011). Cooperation between the hippocampus and the striatum during episodic encoding. *Journal of Cognitive Neuroscience, 23*(7), 1597-1608.
69. **Shohamy, D.** & Adcock, R.A. (2010). Dopamine and adaptive memory. *Trends in Cognitive Science, 14*(10), 464-472.
70. **Shohamy, D.,** Mihalakos, P., Chin, R., Thomas, B., Wagner, A. D., & Tamminga, C. (2010). Learning and generalization in schizophrenia: Effects of disease and antipsychotic drug treatment. *Biological Psychiatry, 67*(10), 926-932.
71. Djonlagic, I., Rosenfeld, A., **Shohamy, D**., Myers, C. E., Gluck, M. A., & Stickgold, R. (2009). Sleep enhances category learning. *Learning and Memory, 16*(12), 751-755.
72. Meeter, M., **Shohamy, D.**, & Myers, C. E. (2009). Acquired equivalence changes stimulus representations. *Journal of Experimental Analysis of Behavior, 91*(1), 127-141.
73. **Shohamy, D.,** Myers, C. E., Hopkins, R.O., & Gluck, M. A. (2009). Distinct hippocampal and basal ganglia contributions to probabilistic learning and reversal. *Journal of Cognitive Neuroscience, 21*(9), 1821-1833.
74. **Shohamy, D.** & Wagner. A. D. (2008). Integrating memories in the human brain: Hippocampal midbrain encoding of overlapping events. *Neuron, 60*(2), 378-389.
75. Daw, N. D. & **Shohamy, D.** (2008). The cognitive neuroscience of motivation and learning. Social Cognition, *Special Issue: Cognitive Motivation and Motivated Cognition, 26*(5), 593-620.

76. Vadhan, N. P., Myers, C. E., Rubin, E., **Shohamy, D**., Foltin, R. W., & Gluck, M. A. (2008). Stimulus-response learning in long-term cocaine users: Acquired equivalence and probabilistic category learning. *Drug and Alcohol Dependence*, *93*(1-2), 155-162.
77. Keri, S., Nagy, H., Myers, C. E., Benedek, G., **Shohamy, D.,** & Gluck, M. A. (2008). Risk and protective haplotypes of the alpha-synuclein gene associated with Parkinson's disease differentially affect cognitive sequence learning. *Genes, brain, and behavior, 7*(1), 31-36.
78. Nagy, H., Keri, S., Meyers, C. E., Benedek, G., **Shohamy, D.** & Gluck, M. A. (2007). Cognitive sequence learning in Parkinson's disease and amnestic mild cognitive impairment: Dissociation between sequential and non-sequential learning of associations. *Neuropsychologia*, *45*(7), 1386-1392.
79. Nagy, O., Kelemen, O., Benedek, G., Myers, C. E., **Shohamy, D.**, Gluck, M. A., & Kéri, S. (2007). Dopaminergic contribution to cognitive sequence learning. *Journal of neural transmission, 114*(5), 607-612.
80. **Shohamy, D.**, Myers, C. E., Geghman, K. D., Sage, J., & Gluck, M. A. (2006). L-Dopa impairs learning, but spares generalization, in Parkinson's disease. *Neuropsychologia, 44*(5), 774-784.
81. Meeter, M., Myers, C. E., **Shohamy, D**., Hopkins, R. O., & Gluck, M. A. (2006). Strategies in probabilistic categorization: Results from a new way of analyzing performance. *Learning & Memory, 13*(2), 230-239.
82. **Shohamy, D.,** Myers, C. E., Grossman, S., Sage, J., & Gluck, M. A. (2005). The role of dopamine in cognitive sequence learning: Evidence from Parkinson's disease. *Behavioral Brain Research*, *156*(2), 191-199.
83. **Shohamy, D.**, Myers, C. E., Grossman, S., Sage, J., Gluck, M. A., & Poldrack, R. A. (2004). Cortico-striatal contributions to feedback-based learning: Converging data from neuroimaging and neuropsychology. *Brain*, *127*(4), 851-859.
84. Hopkins, R. O., Myers, C. E., **Shohamy, D.**, Grossman, S., & Gluck, M. A. (2004). Impaired probabilistic category learning in hypoxic subjects with hippocampal damage. *Neuropsychologia, 42*(4), 524-535.
85. **Shohamy, D.**, Myers, C. E., Onlaor, S., & Gluck, M. A. (2004). Role of the basal ganglia in category learning: How do patients with Parkinson's disease learn? *Behavioral Neuroscience*, *118*(4), 676-686.
86. Aron, A. R., **Shohamy, D.**, Clark, J., Myers, C.E., Gluck, M. A., & Poldrack, R. A. (2004). Human midbrain sensitivity to cognitive feedback and uncertainty during classification learning. *Journal of Neurophysiology*, *92*(2), 1144-1152.
87. Myers, C.E., **Shohamy, D.**, Gluck, M.A., Grossman, S., Onlaor, S., & Kapur, N. (2003). Dissociating medial temporal and basal ganglia memory systems with a latent learning task. *Neuropsychologia*, *41*(14), 1919-1928.
88. Myers, C. E., **Shohamy, D.**, Gluck, M. A., Grossman, S., Kluger, A., Ferris, S., Golomb, J., Schnirman, G., & Schwartz, R. (2003). Dissociating hippocampal versus basal ganglia contributions to learning and transfer. *Journal of Cognitive Neuroscience, 15*(2), 185-193.
89. Gluck, M. A., **Shohamy, D.**, & Myers, C.E. (2002). How do people solve the "Weather Prediction" task?: Individual variability in strategies for probabilistic category learning. *Learning and Memory, 9*(6), 408-418.
90. Poldrack, R. A., Clark, J., Pare-Blagoev, E. J., **Shohamy, D.,** Creso Moyano, J., Myers, C., & Gluck, M. A. (2001). Interactive memory systems in the human brain. *Nature, 414*(6863), 546-550.
91. **Shohamy, D.,** Allen, M. T., & Gluck, M. A. (2000). Dissociating entorhinal and hippocampal involvement in latent Inhibition. *Behavioral Neuroscience*, *114*(5), 867-874.

Commentaries, invited reviews, and book chapters

92. Duncan, K.D & **Shohamy, D**. (2022). Dopamine, Learning and Memory. In M. Kahana & A. Wagner (Eds.), *Handbook of Human Memory*, Oxford University Press.
93. **Shohamy, D**. & Turk-Browne. (2021). N. Imaging and Behavior. In E. Kandel, Schwartz., Siegelbaum, (Eds.), *Principles of Neural Science*, 6th Edition, McGraw Hill.
94. **Shohamy, D.,** Schacter, D., & Wagner, A. D. (2021). Learning and Memory. In E. Kandel, Schwartz., Siegelbaum, (Eds.), *Principles of Neural Science*, 6th Edition, McGraw Hill.
95. Hassin, R., & **Shohamy, D.** (2020). Editorial overview: Curiosity: Explore versus exploit. *Current Opinion in Behavioral Sciences*.

96. **Shohamy,** D. & Schultz, W. (2020). Learning and Decision Making. Introduction to edited section. In M. Gazzaniga and R. Mangun (Eds.), *The Cognitive Neurosciences VI*, Cambridge: MIT Press.
97. Shadlen, M. & **Shohamy, D.** (2016). Decision making and sequential sampling from memory. *Neuron*, 90(5), 927-939.
98. **Shohamy, D.**, & Daw, N. D. (2015). Integrating memories to guide decisions. *Current Opinion in Behavioral Sciences*, 5, 85-90.
99. Sharp, M., Foerde, K., Daw, N., & **Shohamy, D.** (2015). Learning processes in Parkinson's disease and healthy aging (I3-5C). *Neurology, 84*(14 Supplement), P6-063.
100. Doll, B. B., **Shohamy, D.,** & Daw, N. D. (2014). Multiple memory systems as substrates for multiple decision systems. *Neurobiology of learning and memory*, 117, 4-13.
101. **Shohamy, D**., & Turk-Browne, N. (2013). Mechanisms for widespread hippocampal involvement in cognition. *Journal of Experimental Psychology: General*. Commentary and preface to special section on *Dialogues with Neuroscience*, *142*(4), 1159-1170.
102. **Shohamy, D**., & Daw. N. D. (2014). Habits and reinforcement learning. In M. Gazzaniga and R. Mangun (Eds.), *The Cognitive Neurosciences V*, Cambridge: MIT Press.
103. **Shohamy, D**., & Wimmer, G. E. (2013). Dopamine and the cost of aging. *Nature Neuroscience*. *16*(5), 519-521.
104. Roy, M., **Shohamy, D.**, & Wager, T. D. (2012). Ventromedial prefrontal-subcortical systems and the generation of affective meaning. *Trends in Cognitive Sciences, 16*(3), 147-156*.*
105. Wimmer, G. E. & **Shohamy**, D. (2011). The striatum and beyond: Hippocampal contributions to decision making. In M. Delgado, E. A. Phelps, & T. W. Robbins (Eds.), *Attention & Performance XXII* (pp. 281-309). Oxford: Oxford University Press.
106. **Shohamy, D.** (2011). Learning and motivation in the human striatum. *Current Opinion in Neurobiology, 21*(3), 408-414.
107. Foerde, K. & **Shohamy, D.** (2011). The role of the basal ganglia in learning and memory: Insight from Parkinson's disease. *Neurobiology of Learning and Memory*, *96*(4), 624-36.
108. **Shohamy, D.** & Wagner. A. D. (2009). Integrative encoding. *American Journal of Psychiatry*, *166*(3), 284.
109. Wilbrecht, L. & **Shohamy, D**. (2010). Neural circuits can bridge systems and cognitive neuroscience. *Frontiers in Human Neuroscience*, *3*, 81.
110. **Shohamy, D.**, Myers, C.E., Kalanithi, J., & Gluck, M.A. (2008). Basal ganglia and dopamine contributions to probabilistic category learning. *Neuroscience and Biobehavioral Reviews, 32*(2), 219-236.
111. Preston A. R., **Shohamy, D.**, Tamminga, C. A., & Wagner, A. D. (2005). Hippocampal function, declarative memory, and schizophrenia: anatomic and functional neuroimaging considerations. *Current Neurology and Neuroscience Reports*, *5*(4), 249-256.

INVITED SYMPOSIA AND TALKS

International and National Meetings

2023	Social Brain Symposium, Rockefeller University, New York, NY
2023	International Conference on Learning and Memory, Plenary Lecture, Huntington Beach, CA
2022	Association for Psychological Sciences Convention, Symposium on *Neuroscience of Human Memory: What's Next,* Chicago, IL
2022	COSYNE, Workshop on *Evolution of Memory Representations and Engrams Across Time and Experience,* Portugal
2021	McKnight Foundation, Annual Conference
2020	Israel Institute for Advanced Studies, Conference on *Deconstructing and Reconstructing Consciousness,* Hebrew University of Jerusalem, Israel
2019	Montreal Neurological Institute, Brenda Milner Invited Lecture, Canada

2019 SAGE Center Invited Speaker, University of California, Santa Barbara
2019 International Conference on Statistical Learning, Invited Keynote Lecture, San Sebastian, Spain
2019 Symposium on *What is good and what is possible*, Radcliffe Institute, Harvard University, Invited Lecture, Cambridge, MA
2018 The Society for Developmental Cognitive Neuroscience, FLUX Annual Meeting, Invited Keynote Lecture, Berlin, Germany
2018 Cold Spring Harbor, Symposium on *Brains & Behavior: Order & Disorder in the Nervous System,* Invited Lecture, Cold Spring Harbor, NY
2018 SYNAPSY Conference on the Neurobiology of Mental Health, Switzerland
2018 The Winter Brain Conference, Invited Keynote Lecture, Canada (cancelled due to illness)
2017 Society for Neuroscience, Special Lecture on Memory and Decision Making, Washington, DC
2017 International Conference for Cognitive Neuroscience, Keynote Address, Netherlands
2017 *Brainy Days in Jerusalem II,* International Neuroscience Conference, Invited Address, Hebrew University, Israel
2017 Computational and Systems Neuroscience Annual Conference, Invited Keynote Lecture
2017 Alpine Brain Imaging Meeting, Invited talk on "How Memory Guides Exploration and Learning,"Switzerland
2016 Society for Neuroeconomics Annual Meeting, Invited talk on Memory and Decision Making, Germany
2016 Annual International Symposium on Decision Neuroscience *Memory, Value and Choice*
2016 The Neuroscience of Decision-Making Annual Meeting, "Memory and value-based decisions," Canada
2016 Cognitive Neuroscience Society Invited Symposium on "Reactivating memories to guide decisions"
2016 ISAN- "How memory mechanisms in the hippocampus guide value-based decisions," Haifa University, Israel
2016 Memory Disorders Research Society, Symposium in *Memory and Decision Making* (Chair and speaker)
2015 CRCNS Investigator meeting; "How episodic memory guides decisions: Computational and cognitive mechanisms," Seattle, WA
2015 NYU-Duke Neuroeconomics Summer Institute, China
2015 International Neuropsychological Symposium, "Medial temporal lobe contributions to non-memory functions," France
2015 FENS conference on *Bridging Neural Mechanisms and Cognition*, Denmark
2015 Computational and Systems Neuroscience (CoSyNe), Workshop on *Memory in action: The role(s) of the hippocampus in decisions for reward*, Salt Lake City, UT
2015 FENS Winter School, "The neuroscience of decision making," Austria
2015 Symposium on the Science of Prospection, Philadelphia, PA
2014 International Symposium on *Biology of Decision Making,* France
2014 International Meeting on *Memory and the Brain in Health and Disease*, Annual Baycrest Research Institute Neuroscience Conference, Canada
2014 Workshop on *Neuroeconomics: Recent Advances and Future Directions*, Italy

2014 Cognitive Neuroscience Society Annual Meeting, *Young Investigator Award recipient talk*, Boston, MA
2013 Symposium on *Learning, Memory and Value*, Society for Neuroscience, San Diego, CA
2013 *Reinforcement Learning and Decision Making* 1st Annual Meeting, Princeton, NJ
2013 *Computational Psychiatry*, Miami, FL
2013 International Meeting on *Prediction and Decision Making in the Brain*, Japan
2013 Symposium on *Hippocampus and Model Based Processing*, Eastern Psychological Association, New York, NY
2012 Symposium on *Rewards, Habits and Learning: Towards an Integrative View of FrontoStriatal Function*, Columbia University (Organizer and Speaker), New York, NY
2012 Memory Disorders Research Society Annual Meeting, Symposium on *Learning About and Using Regularities to Guide Behavior*, Davis, CA (Chair and Speaker)
2012 Pavlovian Society Annual Meeting, Jersey City, NJ
2012 Annual meeting of the Society for Philosophy and Psychology, Symposium on *Automatic vs. Controlled Processes in Motivation,* Boulder, CO
2011 Winter Conference on Brain Research, Symposium on *Investigations into the neural circuits mediating model based learning about reward value versus identity*, Keystone, CO
2011 Memory Disorders Research Society Annual Meeting, Symposium on *Memory and Cognitive Dysfunction in Parkinson's Disease,* Spain
2010 International Basal Ganglia Society Annual Meeting, Symposium on *cognitive functions of the basal ganglia*, New Jersey
2010 Cognitive Neuroscience Society Annual Meeting, Symposium on *Dopamine and Adaptive Memory,* Canada (Chair and Speaker)
2009 American Psychological Science Annual Meeting, Symposium on *New Advances in Understanding Memory*, San Francisco, CA
2008 International Symposium on *Attention & Performance: Decision Making*, Stowe, VT
2008 Annual meeting of the Society of Personality and Social Psychology, Symposium on *Goal Directed Learning Outside the Cartesian Theater,* Albuquerque, NM
2005 International Conference on *Basal Ganglia, Dopamine and Learning: Integrating Computational and Clinical Perspectives*, Hebrew University, Israel

University Seminars and Small Meetings

2025 Annual Symposium for the Leon Levy Scholarships in Neuroscience, Invited Keynote Lecture, New York, NY
2024 Massachusetts Institute of Technology, Colloquium on the Brain and Cognition, Cambridge, MA
2024 Tel Aviv University, Colloquium, Israel
2024 Columbia University, SciFest, New York, NY
2024 Simons Foundation, Science Sandbox, New York, NY
2024 Treilles Foundation Workshop on Models of Learning and Decision Making: An Interdisciplinary Approach, France
2022 University of Pennsylvania, Grace Hopper Distinguished Lecture, Philadelphia, PA
2022 Tel Aviv University, School of Psychology Colloquium, Israel
2022 Arrowhead, Reward and Decision Making Workshop

2022 Columbia University, Brain Series, New York, NY
2021 Yale University, Colloquium, New Haven, CT
2021 Zuckerman STEM Leadership Program, Israel
2021 Mount Sinai, Symposium on *Innovators in Neuroscience: From Molecules to Mind,* New York, NY
2021 Columbia University, Grand Rounds Department of Psychiatry, New York, NY
2021 Weizmann-Columbia Brain Symposium on *The Adaptive Brain*
2020 University of Connecticut, Brain Imaging Research Core Seminar, Storrs, CT
2020 Dana Foundation, Brain Lecture, New York, NY
2020 Haifa University, Psychology Colloquium, Israel
2020 Columbia University, Memory Disorders Research Society, New York, NY (co-organizer)
2019 Symposium on *The Science of Curiosity,* Washington DC (co-organizer and speaker)
2019 NIMBioS Working Group: Learning in Networks, Working Group, Knoxville, TN
2018 Stanford University, Department of Psychology Colloquium Series, Stanford, CA
2018 University of Toronto, Department of Psychology Colloquium, Toronto
2018 NIMBioS Working Group: Learning in Networks, Working Group, Knoxville, TN
2017 Duke University, Center for Cognitive Neuroscience Colloquium, Durham, NC
2017 Yale University, Cognitive Neuroscience Talk Series, New Haven, CT
2017 Cambridge University, Chaucer Club, Cognition and brain sciences unit, United Kingdom
2017 Harvard University, Department of Psychology Colloquium, Cambridge, MA
2017 New York University, Memory meeting, New York, NY
2017 Columbia University, Symposium in Economics, Decision Making, and Neuroscience, New York, NY
2017 Geneva-Princeton Workshop on *Learning Structure in Uncertain Environments,* Switzerland
2016 Tel-Aviv University, Sagol Neuroscience Seminar Series, Israel
2016 University of Colorado, Boulder, Department of Psychology Colloquium, Boulder, CO
2016 Whistler Scientific Workshop on *Brain networks for learning: connectivity, flexibility, and individual difference,* Canada
2015 Washington University, Department of Psychology, Colloquium Series, St. Louis, MO
2015 University of Zurich, Dept. of Economics, Neuroeconomics Talk Series, Switzerland
2014 California Institute of Technology, Brain, Mind and Society Seminar Series, Pasadena, CA
2014 University of Michigan, Functional MRI Speaker Series, Ann Arbor, MI
2013 Boston University, Center for Memory and Brain, Boston, MA
2013 University of Pennsylvania, Center for Cognitive Neuroscience, Philadelphia, PA
2013 Yale University, Department of Psychology, New Haven, CT
2013 Weill Cornell Medicine, Sackler Summer Course in Developmental Neuroscience, New York, NY
2013 Princeton University, Cognition in Huntington's Disease, Princeton, NJ
2013 University College London, Functional Imaging Laboratory, United Kingdom
2013 New York University, Workshop on *Advances in Memory Systems*, New York, NY
2013 University of Arizona, Department of Psychology, Tucson, AZ
2013 Hebrew University, Cognitive Science Talk Series, Israel

2012 Princeton University, Social and Affective Neuroscience Talk Series, Princeton, NJ
2012 Columbia University, Symposium on *Statistics of the Mind*, New York, NY
2012 University College London, Workshop on *The Striatum*, United Kingdom
2012 Weill Cornell Medicine, Sackler Summer Course in Developmental Neuroscience, New York, NY
2011 Yale University, Magnetic Resonance Research Center, New Haven, CT
2011 New York University, Neuroeconomics Talk Series, New York, NY
2011 University of Toronto, Rotman Research Institute, Canada
2011 George Mason University, Krasnow Institute Talk Series, Fairfax, VA
2011 Cornell University, Department of Psychiatry, New York, NY
2011 Columbia University Medical Center, Department of Neurology, Division of Movement Disorders, New York, NY
2011 Tel-Aviv University, Biopsychology Colloquium Series, Israel
2010 New York University, Memory in Brain Talk Series, New York, NY
2010 Columbia University, Center for Theoretical Neuroscience, New York, NY
2010 Amherst College, Neuroscience and Behavior Colloquium, Amherst, MA
2010 Workshop on *Dopamine and Learning*, Boston, MA
2010 Princeton University, Department of Psychology, NJ
2010 Rutgers University, Department of Psychology, NJ
2010 Duke University, Center for Cognitive Neuroscience, Durham, NC
2009 University of Texas, Southwestern, Department of Neuroscience, Dallas, TX
2009 New York University, Department of Psychology, New York, NY
2009 Cornell University, Sackler Institute for Developmental Psychobiology, New York, NY
2009 Columbia University, Department of Psychiatry, NY
2009 University College London, Functional Imaging Lab, United Kingdom
2009 Columbia University, Neurobiology Seminar, New York, NY
2009 Cold Spring Harbor Laboratory, Banbury Workshop on *Searching for Principles Underlying Memory in Biological Systems*, Cold Spring Harbor, NY
2004 Cognitive Neuroscience of Category Learning workshop, New York, NY
2003 Rutgers University, Workshop on *Dopamine and Memory: Integrating Computational and Empirical Approaches,* New Brunswick, NJ
2003 University of California, Los Angeles, Department of Psychology, Los Angeles, CA
2002 Penn State University, Department of Psychology, State College, PA
2000 National Institute of Mental Health, Cognitive Neuroscience Lab, Washington DC

Public Outreach/Popular Press Coverage

2025 STAT, "What am I supposed to say to this generation of young scientists?"
2024 Public Lecture, "Where Ideas Come From: Thought, Movement, and the Brain," Zuckerman Institute, New York, NY
2021 Wired magazine, "Neuroscientist Explains Memory in 5 Levels of Difficulty" (11/21/21)
2020 Public Lecture, Secret Science Club, NYC
2020 CNN Podcast with Sanjay Gupta, "Why Small Decisions Feel So Difficult Now" (5/27/20)
2020 CNN opinion "Why small decisions feel as tough as big ones in this time of crisis" (4/13/20)
2019 SAGE Center *Invited Public Lecture on Mind and Brain*, UCSB
2019 Public Lecture, "What the Neuroscience of Learning Teaches us about Teaching,"

	Zuckerman Institute
2019	The Nantucket Project: Panel on the *Neuroscience of Curiosity and Learning*
2019	*Neuroscience for Journalists*, School of Journalism, Columbia University
2018	The Rubin Museum "Brainwave" Series. A conversation with author Nicole Krauss
2018	NYC Brain Bee for High School Students, Moderator
2017	Helix Center, New York City, *Fake' Knowledge: Knowing and the Illusion of Knowing*
2017	*Our brains, our selves*; Lecture for Middle School students at The School at Columbia
2016	World Science Festival, *My Society, My Self,* Salon
2016	World Science Festival, *My Neurons, My Self*, Main Stage
2016	*WNYC Note to Self* program with Manoush Zomorodi
2016	Stavros Niarchos Brain Highlight Lecture on *Learning and the Brain*
2016	Public performance, WNYC, *Information Overload and the Brain*
2015	TIME magazine online; featured program on our findings re decision making in Anorexia
2015	NY Times, featured news article on our findings re decision making in Anorexia
2015	Nature Podcast, featured interview on our findings re decision making in Anorexia
2015	Channel 10, Israeli TV, Series on *Frontiers of Brain Science*
2014	*NYC Brain Bee* for High School Students, Keynote Lecture
2014	Science Expo, Grades K-8, The School at Columbia University
2013	Public event on *The Future of Learning* organized by Columbia Business School Executive Education
2013	Learning and the Brain, Columbia University's *Brain Series* for alumni and trustees, Carlyle Hotel, NYC
2013	*Cognitive Neuroscience for Journalists*, School of Journalism, Columbia University
2013	Dopamine, Learning and Motivation, lecture for educators and parents, in *Learning and the Brain* event Columbia University, NYC
2013	Los Angeles Times: "How our powerful memories can also bias our decisions" (10/11/13)
2012	Public Lecture on "How We Remember, Why We Forget, and Why It Matters," University of Washington, Edwards Series, Seattle, WA
2011	Calhoun School of NYC, Workshop on *Neuroscience and Education*
2010	"Cognitive Neuroscience for Journalists," School of Journalism, Columbia University

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COLUMBIA UNIVERSITY COMMITTEES/SERVICE

Zuckerman Mind, Brain, Behavior Institute

2020-2022	*Diversity, Equity, Inclusion Board Committee*, *Faculty and Executive Committee*
2018-2022	Chair, *Hiring Coordination Committee*
2018-present	*Artist-in-Residence Committee*
2017-2022	Vice Chair, *Executive Committee*
2017-2018	*Affiliate Program Committee*
2015-present	*Executive Committee*
2014-2017	Acting Director of *Cognitive Imaging, Human Imaging Core*
2010-present	*Search Committee*, Department of Neuroscience and Zuckerman Institute

Arts and Sciences

2016-2020	*Presidential Scholars in Society and Neuroscience*, Committee member & scholar mentor
2018-2019	*Policy and Planning Committee*, Arts and Science Governance
2018-2019	Chair, *PPC Subcommittee for Professorship Guidelines*
2017	Chair, *Internal Academic Review Committee*
2014-2016	*Academic Review Committee*, School of Arts & Sciences

Department of Psychology

2019-2020	Chair, *Promotion Committee*
2018-2020	*Space Committee*
2018-2020	Department *By-Law Committee*
2017-2018	Chair, *Cognitive Neuroscience Search Committee*
2015-2018	*Tenure Process and Review Committee* for senior cognitive neuroscience hires (NK, LD, MC, JK)
2009-2018	Department *Search Committee*
2013	*Faculty Search Committee*
	Brain Imaging Planning and Hiring Committee
	Faculty Search Committee, Dept. of Neuroscience
	Neurobiology and Behavior Graduate Program Mentor
2012	*Graduate Admissions Committee*
	Faculty Search Committee
	Colloquium Committee
	Psychology Dept. Graduate Faculty Advice Panel - Getting a job
	Psychology Dept. Graduate Faculty Advice Panel - Getting published
2011	*Faculty Search Committee, Dept. of Neuroscience*
	Graduate Admissions Committee
	Colloquium Committee
2010	*Faculty Search Committee*
	Graduate Admissions Committee
	Colloquium Committee
	Psychology Dept. Graduate Faculty Advice Panel - Women and minorities
	Psychology Dept. Graduate Faculty Advice Panel - Getting your research funded
2009	*Graduate Admissions Committee*
	Faculty Search Committee
	Colloquium Committee
	Neurobiology and Behavior Graduate Program mentor
2008	*Graduate Admissions Committee*
	Faculty Search Committee
	Colloquium Committee

Medical School

2019-2020	*Dept. of Psychiatry Search Committee*

PROFESSIONAL SERVICE

2017-2020	Computational Cognitive Neuroscience, Founding Steering Committee
2018-2021	Review of University of Zurich Program in Neuroeconomics

2018	Board Member of two new journals (*Computational Psychiatry, Open Mind*)
2017	Working Group on Learning in Networks
2017	Cambridge Dissertation Defense Committee
2016	INS Symposium Co-Organizer
2012-2013	Special Section Editor, Journal of Experimental Psychology: General, *Dialogues with Neuroscience* (with Nick Turk-Browne)
2010-2013	Board Member, Society for Neuroeconomics
2012	Symposium Organizer, Memory Disorders Research Society Annual Meeting
2012	Organizer of International Symposium on Rewa*rds, Learning and Habits: Towards an Integrated View of Frontostriatal Function*, Columbia University, NY
2010	Symposium Organizer, Cognitive Neuroscience Society Annual Meeting

Grant Reviews

2012-present	Reviewer for the Israeli Science Foundation
2011-present	Reviewer for NSF
2012-present	Reviewer for NIH

Ad Hoc Reviewer for Scientific Publications

Brain, Behavioral Neuroscience, Biological Psychiatry, Cerebral Cortex, Cognitive, Behavioral and Affective Neuroscience, Frontiers in Neuroscience, Hippocampus, Journal of Cognitive Neuroscience, Journal of Neuroscience, Learning & Memory, Nature, Nature Neuroscience, Nature Communications, Nature Human Behavior, NeuroImage**,** Neuron, Neuropsychology, Neuropsychologia, PloS, PNAS, Science

Professional Memberships

Cognitive Neuroscience Society, International Neuropsychological Society, Society for Neuroeconomics, Society for Neuroscience, Association for Psychological Science, Human Brain Mapping, Memory Disorders Research Society

TEACHING

Frontiers of Science	2016-present
Honors Seminar, Columbia University	2013-2022
Proseminar in Psychological Science, Columbia University	2013-2022
Cognitive Neuroscience and the Media, Columbia University	2010-2022
Learning and the Brain, Columbia University	2009-2022
Mind, Brain and Behavior, Columbia University	2008-2022
Methods and Issues in Cognitive Neuroscience, Columbia University	2008-2010

RESEARCH COLLABORATION

Columbia University Psychology and Zuckerman Mind, Brain, Behavior Institute

Dr. Rui Costa	Decision systems
Dr. Stefano Fusi	Computations underlying context learning
Dr. Daniel Salzman	Learning a context
Dr. Michael Shadlen	Memory and decisions

Dr. Nim Tottenham	Development of learning and decision-making

Columbia University Medical Center (Psychiatry and Neurology)

Dr. Blair Simpson	Learning in anxiety disorders
Dr. Tim Walsh	Learning and affect in Anorexia Nervosa
Dr. Joanna Steinglass	Learning and decision-making in Anorexia Nervosa
Dr. Roy Alcalay	Cognitive function in Parkinson's disease

National and International

Dr. Danielle Bassett, UPenn	Network neuroscience and learning
Dr. Nathaniel Daw, Princeton	Computational models of learning and decision-making
Dr. Adriana Galvan, UCLA	Learning and motivation in adolescence
Dr. Ran Hassin, Hebrew University	Curiosity and learning
Dr. Itamar Kahn, Technion, Israel	Intrinsic brain networks and learning
Dr. Mieke Verfaiile, Boston U	Hippocampal amnesia, learning and reward
Dr. Tor Wager, Dartmouth C	Learning, placebo, and dopamine
Dr. Bernd Figner, Amsterdam	Risk taking and decision making in Parkinson's disease
Dr. Tom Schonberg, Tel-Aviv U	Memory and non-reinforced reward processes

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POST DOCTORAL FELLOWS AND STUDENTS

Postdoctoral Fellows

David Halpern, Ph.D.	2025-current
Qihong Lu, Ph.D.	2023-2025 (Asst. Professor, City University of Hong Kong)
Shai Berman, Ph.D.	2021-current
Jen Siegel, Ph.D.	2019-current
Catherine Insel, Ph.D.	2019-2024 (Asst. Professor, tenure-track, Northwestern)
Daniel Kimmel, M.D., Ph.D.	2015-2022 (Asst. Professor, New York State Psychiatric Institute)
Akram Bakkour, Ph.D.	2015-2020 (Asst. Professor, tenure-track, University of Chicago)
Zarrar Shehzad, Ph.D.	2018-2020 (Data Scientist)
Madeleine Sharp, M.D.	2014-2016 (Asst. Professor, tenure-track, University of Montreal)
Bradley Doll, Ph.D.	2011-2015 (Data Scientist)
Katherine Duncan, Ph.D.	2011-2015 (Asst. Professor, tenure-track, U of Toronto)
Liane Schmidt, Ph.D.	2010-2014 (Asst. Professor, tenure-track, INSERM, Paris)
Suzanne Wood, Ph.D.	2010-2014 (Lecturer in Discipline, University of Toronto)
Karin Foerde, Ph.D	2007-2013 (Asst. Professor, Columbia University, Psychiatry)

Ph.D. Students

Chris Iyer	Ph.D. expected 2029
Lanie Bachmann	Ph.D. expected 2028
Taylor Chamberlain	Ph.D. expected 2027
Iddo Gefen	Ph.D. expected 2027
Natalie Biderman	Ph.D. received 2024
Yaniv Abir	Ph.D. received 2024
Celia Durkin	Ph.D. received 2022
Jonathan Nicholas	Ph.D. received 2022

Ellen Tedeschi	Ph.D. received 2020
Melina Tsitsiklis	Ph.D. received 2020 (co-advised with Josh Jacobs)
Raphael Gerraty	Ph.D. received 2018
Erin Kendall Braun	Ph.D. received 2018
Rebecca Martin	Ph.D. received 2016 (co-advised with Kevin Ochsner)
Seth Kallman	Ph.D. received 2016 (co-advised with Kevin Ochsner)
Caroline Marvin	Ph.D. received 2015 (co-advised with Carl Hart)
Katherine Thompson	Ph.D. received 2014 (co-advised with Elke Weber)
Juliet Davidow	Ph.D. received 2014 (Asst Professor, Northeastern)
Jenna Reinen	Ph.D. received 2014 (postdoc at Yale)
G. Elliott Wimmer	Ph.D. received 2012 (researcher at UCL London)

Graduate Student Dissertation Committees (in reverse chronological order)

Jawed Huang	Columbia University
Amir Lawen	Columbia University
Daniela Lichtman	Columbia University
Wangling Yu	Columbia University
Hannah Tardor-Stoll	Columbia University
Marissa Applegate	Columbia University
Basak Dkdogan	Columbia University
Paul Bloom	Columbia University
Nir Jacoby	Columbia University
Gabe Stein	Columbia University
Rikki Rabinovich	Columbia University
Nina Rouhani	Princeton University
Judy Xu	Columbia University
Zach Bucknoff	Columbia University
Rebecca Martin	Columbia University
Michelle Van Tiegham	Columbia University
Bilur Avlar	Columbia University
Brian Maniscalco	Columbia University
Maria Konnikova	Columbia University
Bryan Denny	Columbia University
Aaron Bornstein	NYU
Yuhua Guo	Cambridge University, UK
Lauren Atlas	Columbia University
David Hardisty	Columbia University
Dobrimir Rahnev	Columbia University
Sylvia Rodriguez	Columbia University
Steen Sehnert	Columbia University
Jared Van Snellenberg	Columbia University
Julie Spicer	Columbia University
Heather Van Volkinburg	Columbia University
Ellen Peck	Columbia University
Mattia Rigoti	Columbia University

William Hinkle	Columbia University
Rom Schrift	Columbia University
Gudrun Diermayr	Teacher's College

Undergraduate RA Students

Justine Nicholas	2022-2024
Anoush Pogossian	2022-2023
Lauren Conner	2021-2022
Emily Manville	2021-2022
Ugo Ufere Iroh	2023-2023
Tola Kilian	2023-2023
Opeyemi Lekan	2021-2023
Sam Barnet	2021-2023
Sydney Bambardekar	2021-2023
Alice Xue	2018-2022
Juan Guerrero	2017-2019
Pamela van den Enden Uribe	2017-2019
Deepti Varathan	2017-2019
Serena Wu	2017-2019
Rachel Zuckerman	2017-2019
Kate Stanley	2016-2017
Sean Raymond	2015-2016
Hezi Sasson	2015-2016
Hanna Savitz	2015-2016
Christina Galese	2015-2016
Christina Reale	2015-2016
Amanda Buch	2015-2016
Kimberly Sanchez	2015-2016
Sadie Bennett	2015-2016
Emily Lang	2015-2016
Lucy Owen	2014-2016
Camilla van Geen	2014-2020
Adam Litt	2012-2013
Alex Chang	2012-2013
Kelly Braga	2012-2013
Celia Durkin	2012-2015
Sam Meyer	2012-2013
Peter Myers	2012-2013
Anuya Patil	2012-2013
Janelle Liu	2011-2012
Ashley Duenas	2011-2012
Ali Ehteshami	2011-2012
Myoungsun Namkung	2011-2012
Maggie Close	2011-2012
Julianne Park	2011-2012

Nina Rouhani	2011-2014
Sergio Zenisek	2011-2012
Ruthy Sher	2011-2012
Blaine Harper	2010-2011
Ashley Lee	2010-2012
Karen Abraham	2010-2011
Catherine Insel	2010-2013
Sheryl Kohanzadeh	2010-2011
Christina Read	2010-2012
Jamie Chiel	2010-2011
Nate Klooster	2010-2011
Michael Gellman	2010-2011
Maxwell Bertolero	2010-2011
Erin Kendall Braun	2009-2012
Sarah Edery	2009-2010
Carly Solon	2009-2010
Elizabeth LaMarca	2009-2010
Juan Deliz	2009-2012
Eva Alba	2009-2012
Keva Garg	2008-2011
Caroline Marvin	2008-2009
Kate Johnson	2008-2010
Melanie Pincus	2008-2011
Michael Szeto	2008-2010
Barbara Graniello	2008-2009
Rob Kribs	2008-2011
Nathan Clement	2007-2010