**Daphna Shohamy, PhD**

Zuckerman Mind, Brain, Behavior Institute & Department of Psychology

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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

**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 McKnight Foundation, Memory and Cognitive Disorders Award

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

2008Young Investigator Award, NARSAD

2004Postdoctoral Individual National Research Service Award; NIMH

2003 Dean's Dissertation Award for Best Dissertation, Rutgers University

1996-7 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)

2019-2024 Differentiating Reward Seeking and Loss Aversion with Reference-Dependent Learning Models, *NIH/NIMH RO1*, PI (Co-PI Nathaniel Daw)

2020-2025 Brain Research Apprenticeships in New York at Columbia (BRAINYAC), *NIH/NIMH R21*, PI

**Completed funding**

2017-2023 Beholder’s Share by Focusing on Brain Mechanisms in Response to Art

 *Azrieli Foundation*, PI (Co-PI Eric Kandel)

2018-2022 Prioritization of memory reactivation for decision-making. CRCNS Collaborative Research. *National Science Foundation*, PI (Co-PI Nathaniel 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*, PI (Co-PI Eric 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*, PI (Co-PI 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, PI

 Columbia Aging Center Faculty Research Fellowship

2014-2016 A Role of Dopamine in Prospection

 Templeton Foundation, Science of Prospection Award, PI (Co-PI 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 (w 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-I (PI: Smith)

2009—2010 Neural Systems of Learning and Memory in Addiction NIH/NIDA, PI

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. Zylberberg, A., Bakkour, A., **Shohamy, D.,** & Shadlen, M. N. (2024). Value construction through sequential sampling explains serial dependencies in decision making. *bioRxiv*, 2024.01.13.575363. <https://doi.org/10.1101/2024.01.13.575363>
2. Nicholas, J., Daw, N. D., & **Shohamy, D.** (2023). Proactive and reactive construction of memory-based preferences. *bioRxiv*: the preprint server for biology, 2023.12.10.570977. https://doi.org/10.1101/2023.12.10.570977
3. Nicholas, J., Amlang, C., Lin, C. Y. R., et al. (2023). The Role of the Cerebellum in Learning to Predict Reward: Evidence from Cerebellar Ataxia. *Cerebellum*. https://doi.org/10.1007/s12311-023-01633-2
4. Biderman, N., Gershman, S. J., & **Shohamy, D.** (2023). The role of memory in counterfactual valuation. *Journal of Experimental Psychology: General*, 152(6), 1754.
5. Kouhsari, L. M., Bakkour, A., & **Shohamy, D.** (2023). The role of dopaminergic therapy on cognition in Parkinson’s disease. *Parkinsonism & Related Disorders, 113*.
6. Abir, Y., Shadlen, M. N., & **Shohamy, D.** (2023). Human Exploration Strategically Balances Approaching and Avoiding Uncertainty. *PsyArXiv*.
7. 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.
8. 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.
9. Nicholas, J., Daw, N. D., & **Shohamy, D.** (2022). Uncertainty alters the balance between incremental learning and episodic memory. *Elife*, 11, e81679.
10. Colas, J. T., Dundon, N. M., Gerraty, R. T., Saragosa‐Harris, N. M., Szymula, K. P., Tanwisuth, K., ... & 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.
11. Nicholas, J., Amlang, C. J., Lin, C. Y., Desai, N., Montaser-Kouhsari, L., Kuo, S. H., & **Shohamy, D.** (2022, September). Impaired Reinforcement Learning in Patients With Cerebellar Ataxia. In MOVEMENT DISORDERS (Vol. 37, pp. S227-S227). 111 RIVER ST, HOBOKEN 07030-5774, NJ USA: WILEY.
12. 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.
13. 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.
14. 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.
15. Lahlou, S., Gabitov, E., Owen, L., **Shohamy, D.,** & Sharp, M. (2022). Preserved motor memory in Parkinson's disease. *Neuropsychologia*, 167, 108161.
16. 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.
17. 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), 1-12.
18. Biderman, N., & **Shohamy, D.** (2021). Memory and decision making interact to shape the value of unchosen options. *Nature communications*, 12(1), 1-12.
19. 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.
20. Hassin, R., & **Shohamy, D.** (2020). Editorial overview: Curiosity: Explore versus exploit. *Current Opinion in Behavioral Sciences*.
21. Durkin, C., Shehzad, Z., Kandel, E., & **Shohamy, D.** (2020). Effects of perceptual and categorical novelty on construal level. *Journal of Vision*, 20(11), 1700-1700.
22. Foerde, K., Schebendach, J. E., Davis, L., Daw, N., Walsh, B. T., **Shohamy, D.**, & Steinglass, J. E. (2020). Restrictive eating across a spectrum from healthy to unhealthy: behavioral and neural mechanisms. *Psychological Medicine*, 1-10.
23. Kouhsari, L. M., Bakkour, A., & **Shohamy, D.** (2020). How Parkinson's disease affects working memory. *Parkinsonism & Related Disorders*, 79, e87-e88.
24. 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.
25. 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.
26. 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.
27. Biderman, N., Bakkour, A., & **Shohamy, D.** (2020). What are memories for? The hippocampus bridges past experience with future decisions. *Trends in Cognitive Science*, In press.
28. Sharp , M. E., Duncan, K., Foerde, K., & **Shohamy, D.** (2020). Dopamine is associated with prioritization of reward-associated memories in Parkinson’s disease. *Brain*, In press.
29. 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.
30. Bakkour, A., Palombo, D. J., Zylberberg, A., Kang, Y. H., Reid, A., Verfaellie, M., ... & **Shohamy, D.** (2019). The hippocampus supports deliberation during value-based decisions. *eLife*, 8.
31. 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.
32. Braun, E.K., Wimmer, G.E., & **Shohamy D**. (2018). Retroactive and graded prioritization of memory by reward. *Nature Communication*, 9:4886.
33. Vikbladh, O., Meager, M., King, Blacmon, Devinsky, O., **Shohamy, D**., Burgess, N., and Daw, N.D., Hippocampal contributions to model-based planning and spatial memory.. *Neuron*, In press.
34. Nasaleris, T., Bassett, D., Fletcher, A., Kording, K., Kriegeskorte, N., Nienborg, H., Poldrack, R.A., **Shohamy, D.,** and Kay, K. (2018) Cognitive computational neuroscience: A new conference for an emerging discipline. 2018. *Trends in Cognitive Sciences*, 22:365-367.
35. *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.
36. *Duncan, KD., 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*, 98:645-657
37. *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.
38. 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.
39. *Duncan, K.D.,* **Shohamy, D.** (2016). Memory states influence value-based decisions. *Journal of Experimental Psychology: General,* 145(11),1420-1426*.*
40. *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.
41. *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.
42. 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.
43. 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.
44. *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.
45. *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.
46. *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.
47. *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.
48. *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, 767-772.
49. 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.
50. 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.
51. Roy, M., **Shohamy, D.**, Daw, N.D., Jepma, M., *Wimmer, G.E.,* & Wager, T. (2014). Representation of aversive prediction errors in the human periacqueductal grey. *Nature Neuroscience*, *17*(11), 1607-1612.
52. *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.
53. *Gerraty, R.\*, Davidow, J\*, Wimmer, G. E.,* Kahn, I., & **Shohamy, D.** (2014). Transfer of learning related to intrinsic connectivity between hippocampus, ventromedial prefrontal cortex, and large-scale networks. *The Journal of Neuroscience, 34*(34), 11297-11303.
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. (2014). Dynamic shifts in brain network activation during supracapacity working memory task performance. *Human brain mapping, 36*(4), 1245-1264.
55. 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.
56. *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.
57. *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*,

33:5698-704.

1. Kahn, I., & **Shohamy, D.** (2013). Intrinsic connectivity between the hippocampus, nucleus accumbens, and ventral tegmental area in humans. *Hippocampus*, 23(3), 187-192.
2. *Wimmer*, G.E. & **Shohamy**, D. (2012). Preference by association: How memory mechanisms in

the hippocampus bias decisions. *Science*, *338*: 270-273.

1. *Foerde*, K., Braun, E.K. & **Shohamy**, D. (2012). A tradeoff between feedback-based learning and episodic memory for feedback events: Evidence from Parkinson’s disease. *Neurodegenerative Disorders*. 11:93-101.
2. *Wimmer*, G.E., Daw, N.D. & **Shohamy**, D. (2012). Generalization of value in reinforcement learning by humans. *European Journal of Neuroscience,* Special Issue: Beyond Simple Reinforcement Learning. *35*(7), 1092-1104.
3. 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
4. *Foerde*, K. & **Shohamy**,D. (2011). Feedback timing modulates brain systems for learning in humans. *Journal of Neuroscience*, *31*(37), 13157-13167**.**
5. *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.
6. 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.
7. **Shohamy, D.** & Adcock, R.A. (2010). Dopamine and adaptive memory. *Trends in Cognitive Science,* 14(10), 464-472.
8. **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.
9. 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.
10. Meeter, M., **Shohamy, D.**, & Myers, C.E. (2009). Acquired equivalence changes stimulus representations. *Journal of Experimental Analysis of Behavior*, 91(1), 127-141.
11. **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.

1. **Shohamy, D.** & Wagner. A.D. (2008). Integrating memories in the human brain: Hippocampal midbrain encoding of overlapping events. *Neuron,* 60(2), 378-389.
2. 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.

1. 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.
2. 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.
3. **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.

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.

1. **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.

1. 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(Pt 4), 851-859.
2. 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.
3. **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.

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. **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**

1. **Shohamy, D**. & Turk-Browne, N. Imaging and Behavior. In, E. Kandel, Schwartz., Siegelbaum, ed. *Principles of Neural Science*, 6th Edition, McGraw Hill (forthcoming 2020).
2. **Shohamy, D.,** Daniel Schacter & Anthony D. Wagner. Learning and Memory. In, E. Kandel, Schwartz., Siegelbaum, ed. *Principles of Neural Science*, 6th Edition, McGraw Hill (forthcoming 2020).
3. Duncan, K.D and **Shohamy, D**. Dopamine, Learning and Memory. *Handbook of Human Memory*, Oxford University Press. In Press.
4. **Shohamy,** D. & Schultz, W. Learning and Decision Making. Introduction to edited section, in M. Gazzaniga and R. Mangun, ed., *The Cognitive Neurosciences VI*, Cambridge: MIT Press.
5. Shadlen, M. & **Shohamy, D.** (2016). Decision making and sequential sampling from memory. *Neuron*, 90(5), 927-939.
6. **Shohamy, D.**, & Daw, N. D. (2015). Integrating memories to guide decisions. *Current Opinion in Behavioral Sciences*, 5, 85-90.
7. *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.

1. *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.
2. **Shohamy**, D. & Turk-Browne, N. Mechanisms for widespread hippocampal involvement in cognition. (2013). *Journal of Experimental Psychology: General*. Commentary and preface to special section on *Dialogues with Neuroscience*, *142*(4), 1159-1170.
3. **Shohamy,** D. & Daw. N.D. Habits and reinforcement learning. Chapter in M. Gazzaniga and R. Mangun, ed., *The Cognitive Neurosciences V*, Cambridge: MIT Press. In Press.
4. *Wimmer*, G.E. & **Shohamy**, D. Dopamine and the cost of aging. (2013). *Nature Neuroscience*.

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1. 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*.*

1. **Shohamy**, D. (2011). Learning and motivation in the human striatum. *Current Opinion in Neurobiology, 21*(3), 408-414.
2. *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.

1. **Shohamy**, D. & Wagner. A.D. (2009). Integrative encoding. *American Journal of Psychiatry*,

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1. 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
2. Wilbrecht, L. & **Shohamy**, D. (2010). Neural circuits can bridge systems and cognitive

 neuroscience. *Frontiers in Human Neuroscience*, *3*, 81.

1. **Shohamy**, D., Myers, C.E., Kalanithi, J., & Gluck, M.A. (2008). Basal ganglia and dopamine contributions to probabilistic category learning.

**INVITED SYMPOSIA AND TALKS**

**International and National Meetings**

 2020 International Symposium on “Deconstructing and Reconstructing Consciousness”,

 Hebrew University

2019 Brenda Milner Invited Lecture, Montreal Neurological Institute, Canada

2019 SAGE Center Invited Speaker, UCSB

 2019 International Conference on Statistical Learning, Invited Keynote Lecture;

 San Sebastian, Spain

2019 Radcliffe Institute, Harvard University, Symposium on “What is good and what is possible”, Invited Lecture

2018 The Society for Developmental Cognitive Neuroscience, FLUX Annual Meeting, Invited Keynote Lecture; Berlin, Germany,

2018 “Brains & Behavior: Order & Disorder in the Nervous System”, Cold Spring Harbor Symposium, New York, Invited Lecture

2018 SYNAPSY Conference on the Neurobiology of Mental Health,

 Geneva, Switzerland

2018 The Winter Brain Conference, Whistler, British Columbia, Invited Keynote Lecture (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, Amsterdam, Holland

2017 “Brainy Days in Jerusalem II”, International neuroscience conference, Invited Address, Hebrew University, Israel

2017 NYU Memory meeting

2017 Computational and Systems Neuroscience Annual Conference, Invited Keynote Lecture

2017 Alpine Brain Imaging Meeting, Invited talk on How Memory Guides Exploration and Learning, Champery, Switzerland

2016 Society for Neuroeconomics Annual Meeting, Invited talk on Memory and Decision Making, Berlin, 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”, Montreal, CA

2016 Cognitive Neuroscience Society Invited Symposium – “Reactivating memories to guide decisions”

2016 ISAN- “How memory mechanisms in the hippocampus guide value-based decisions”, Haifa University, Haifa, Israel.

2015 CRCNS Investigator meeting; “How episodic memory guides decisions: Computational and cognitive mechanisms”, Seattle, WA.

2015 NYU-Duke Neuroeconomics Summer Institute, Shanghai, China

2015 International Neuropsychological Symposium, “Medial temporal lobe contributions to non-memory functions”, Collioure, France

2015 FENS conference on “Bridging Neural Mechanisms and Cognition”, Copenhagen, 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, Utah.

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”, Paris, France

2014 Workshop on Neuroeconomics: Recent Advances and Future Directions, Erice, Italy

2014 International Meeting on *Memory and the Brain in Health and Disease*, Annual Baycrest Research Institute Neuroscience Conference, Toronto, Canada

2014 Workshop on *Neuroeconomics: Recent Advances and Future Directions*. Erice, Italy

2014 Cognitive Neuroscience Society Annual Meeting, Boston, MA. *Young Investigator Award* *recipient talk*.

2013 Symposium on *Learning, Memory and Value*, Society for Neuroscience, San Diego

2013 *Reinforcement Learning and Decision Making* 1st Annual Meeting, Princeton, NJ

2013 *Computational Psychiatry*, Miami, Florida

2013 International Meeting on *Prediction and Decision Making in the Brain*, Keio University, Kyoto, Japan

2013 Symposium on *Hippocampus and Model\_Based Processing*, Eastern Psychological Association, New York

2012 Symposium on *Rewards, Habits and Learning: Towards an Integrative View of FrontoStriatal Function*, Columbia University (Organizer and Speaker

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, Keystone, CO. Symposium on *Investigations into*

*the neural circuits mediating model\_based learning about reward value versus identity*

2011 Memory Disorders Research Society Annual Meeting, Symposium on *Memory and Cognitive Dysfunction in Parkinson’s Disease*, Barcelona, Spain

2010 International Basal Ganglia Society Annual Meeting, NJ. Symposium on *cognitive*

*functions of the basal ganglia*

2010 Cognitive Neuroscience Society Annual Meeting, Montreal, Canada. Symposium on

 *Dopamine and Adaptive Memory* (Chair and Speaker

2009 American Psychological Science Annual Meeting, San Francisco, CA. Symposium on

*New Advances in Understanding Memory*

2008 Annual meeting of the Society of Personality and Social Psychology, Albequerque, NM. Symposium on *Goal\_Directed Learning Outside the Cartesian Theater*.

2005 International Conference on *Basal Ganglia, Dopamine and Learning: Integrating Computational and Clinical Perspectives*, Hebrew University, Israel

**University Seminars and Small Meetings**

2020 Haifa University, Psychology Colloquium, Israel

2020 Memory Disorders Research Society, Columbia, New York City (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, Tennessee

2018 Stanford University, Department of Psychology Colloquium Series

2018 University of Toronto, Department of Psychology Colloquium, Toronto

2018 NIMBioS Working Group: Learning in Networks, Working Group, Knoxville, Tennessee

2017 Duke University, Center for Cognitive Neuroscience Colloquium, North Carolina

2017 Yale University, Cognitive Neuroscience Talk Series, Connecticut

2017 Cambridge University, Chaucer Club, Cognition and brain sciences unit, Cambridge, UK

2017 Harvard University, Department of Psychology Colloquium, Cambridge, MA

2017 NYU Memory meeting

2017 Symposium in Economics, Decision Making, and Neuroscience, Columbia University

2017 Geneva-Princeton Workshop on Learning, “Learning Structure in Uncertain

 Environments”, Geneva, Switzerland.

2016 Tel-Aviv University, Sagol Neuroscience Seminar Series, Israel

2016 University of Colorado, Boulder; Department of Psychology Colloquium

2016 Memory Disorders Research Society, Symposium in Memory and Decision Making (Chair

 and speaker).

2016 Whistler Scientific Workshop –“Brain networks for learning: connectivity, flexibility, and

 individual difference”, Whistler-Blackcomb, BC, Canada

2015 Washington University, Dept. of Psychology, Colloquium Series

2015 Zurich, Dept. of Economics, Neuroeconomics Talk Series

2014 Brain, Mind and Society Seminar Series, Caltech, CA

2014 Functional MRI Speaker Series, University of Michigan, MI

2013 Center for Memory and Brain, Boston University, MA

2013 Center for Cognitive Neuroscience, University of Pennsylvania, PA

2013 Department of Psychology, Yale University, NY

2013 Sackler Summer Course in Developmental Neuroscience, Cornell Medical School, NY

2013 Cognition in Huntington’s Disease, Princeton, NJ

2013 Functional Imaging Laboratory, UCL, London, UK

2013 Workshop on *Advances in Memory Systems*, NYU, NY

2013 Department of Psychology, Univeristy of Arizona, AZ

2013 Hebrew University Cognitive Science Talk Series, Jerusalem, Israel

2012 Social and Affective Neuroscience Talk Series, Princeton, NJ

2012 Symposium on *Statistics of the Mind*, Columbia University, NY

2012 Workshop on *The Striatum*, University College, London, UK

2012 Sackler Summer Course in Developmental Neuroscience, Cornell Medical School, NY

2011 Magnetic Resonance Research Center, Yale University, CT

2011 Neuroeconomics Talk Series, New York University, NY

2011 Rotman Research Institute, University of Toronto, Canada

2011 Krasnow Institute Talk Series, George Mason University

2011 Department of Psychiatry, Cornell University

2011 Department of Neurology, Division of Movement Disorders, Columbia University Medical Center

2011 Biopsychology Colloquium Series, TelEAviv University, Israel

2010 Memory in Brain Talk Series, New York University, NY

2010 Center for Theoretical Neuroscience, Columbia University

2010 Neuroscience and Behavior Colloquium, Amherst University

2010 Workshop on *Dopamine and Learning*, Boston, MA

2010 Department of Psychology, Princeton University, NJ

2010 Department of Psychology, Rutgers University, NJ

2010 Center for Cognitive Neuroscience, Duke University, NC

2009 Department of Neuroscience, University of Texas, Southwestern

2009 Department of Psychology, New York University, NY

2009 Sackler Institute for Developmental Psychobiology, Cornell University

2009 Department of Psychiatry, Columbia University, NY

2009 Functional Imaging Lab, University College London, UK

2009 Neurobiology Seminar, Columbia University, NY

2009 Banbury Workshop on *Searching for Principles Underlying Memory in Biological Systems*, Cold Spring Harbor, NY

2008 International Symposium on *Attention & Performance: Decision Making*. Stowe, VT

2004 Cognitive Neuroscience of Category Learning workshop. NYC

2003 Workshop on *Dopamine and Memory: Integrating Computational and Empirical Approaches*, Rutgers University, NJ

2003 Department of Psychology, UCLA, CA

2002 Department of Psychology, Penn State University, PA

2000 Cognitive Neuroscience Lab, National Institute of Mental Health, Washington DC **&**

**Public Outreach/Popular Press Coverage**

2021 Wired magazine, *Neuroscientist Explains Memory in 5 Levels of Difficulty* (11/21)

2020 *Public Lecture, Secret* Science Club, NYC

2020 CNN Podcast with Sanjay Gupta, *Why Small Decisions Feel So Difficult Now* (5/27)

2020 CNN opinion: *Why small decisions feel as tough as big ones in this time of crisis* (4/13)

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 Niarkos 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* (October

11)

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

**COLUMBIA UNIVERSITY COMMITTEES/SERVICE**

**Zuckerman Mind, Brain, Behavior Institute**

2020- *Diversity, Equity, Inclusion Board* Member, Zuckerman Institute, Faculty and Executive committee representative

2018-present Chair, *Hiring Coordination Committee*

2017-present *Vice Chair. Executive Committee*

2018-present *Artist-in-Residence Committee*

2015-present *Executive Committee*

2017-2018 *Affiliate Program Committee*

2014-2017 Acting Director of *Cognitive Imaging, Human Imaging Core*

2010-present *Search Committee*, Department of Neuroscience and Zuckerman Institute

**Arts and Sciences**

2018-2019 *Policy and Planning Committee*, Arts and Science Governance

2016-2020 *Presidential Scholars in Society and Neuroscience*, Committee member & scholar mentor

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

2009-2018 Department of Psychology Search Committee

2015-2018 Tenure Process and Review Committee for senior cognitive neuroscience hires (NK, LD, MC, JK)

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 Department Graduate Faculty Advice Panel – Getting a job Psychology Department Graduate Faculty Advice Panel – Getting published

Faculty Search Committee,

2011 Graduate Admissions Committee

 Colloquium Committee, Dept. of Psychology

 Faculty Search Committee, Dept. of Neuroscience

2010 Graduate Admissions Committee

 Faculty Search Committee, Dept. of Psychology

 Colloquium Committee, Dept. of Psychology

 Psychology Department Graduate Faculty Advice Panel – Women and minorities Psychology Department Graduate Faculty Advice Panel – Getting your research funded

2009 Graduate Admissions Committee, Dept. of Psychology Faculty Search Committee, Dept. of Psychology Colloquium Committee, Dept. of Psychology Neurobiology and Behavior Graduate Program Mentor

2008 Graduate Admissions Committee, Dept. of Psychology Faculty Search Committee, Dept. of Psychology Colloquium Committee, Dept. of Psychology

**Medical School**

2019-2020 Department 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-present

Proseminar in Psychological Science, Columbia University 2013-present

Cognitive Neuroscience and the Media, Columbia University 2010-present

Learning and the Brain, Columbia University 2009-present

Mind, Brain and Behavior, Columbia University 2008-present

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, U Penn 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 U 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

**POST DOCTORAL FELLOWS AND STUDENTS**

**Post-doctoral Fellows**

 Qihang Lu, Ph.D. 2023-current

 Shai Berman, Ph.D. 2021-current

 Jen Siegel, Ph.D. 2019-current

 Catherine Insel, Ph.D. 2019-current

 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**

 Taylor Chamberlain Ph.D. expected 2027

 Iddo Gefen Ph.D. expected 2027

 Natalie Biderman Ph.D. expected 2024

Yaniv Abir Ph.D. received 2024

 Celia Durkin Ph.D. received 2022

 Jonathan Nicholas Ph.D. received 2022

 Ellen Tedeschi Ph.D. received in 2020

 Melina Tsitsiklis Ph.D. received 2020 (co-advised with Josh Jacobs)

 Raphael Gerraty Ph.D. received in 2018

 Erin Kendall Braun Ph.D. received in 2018

 Rebecca Martin Ph.D. received in 2016 (co-advised with Kevin Ochsner)

 Seth Kallman Ph.D. received in 2016 (co-advised with Kevin Ochsner)

 Caroline Marvin Ph.D. received in 2015 (co-advised with Carl Hart)

 Katherine Thompson Ph.D. received in 2014 (co-advised with Elke Weber)

 Juliet Davidow Ph.D. received in 2014 (Asst Professor, Northeastern)

 Jenna Reinen Ph.D. received in 2014 (postdoc at Yale)

 G. Elliott Wimmer Ph.D. received in 2012 (researcher at UCL London)

**Graduate Student Dissertation Committees** (in reverse chronological order)

Rikki Rabinovitch Columbia University

Daniela Lichtman Technion, Israel

Nina Rouhani Princeton University

Judy Xu Columbia University

Zach Bucknoff Columbia University

Seth Kallman 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

Katherine Thompson Columbia University

George E. Wimmer Columbia University

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-current

Anoush Pogossian 2022-current

Lauren Conner 2021-current

Emily Manville 2021-current

Ugo Ufere Iroh 2023-2023

Tola Kilian 2023-2023

Opeyemi Lekan 2021-2023

Sam Barnet 2021-2023

Sydney Bambardekar 2021-2023

Alice Xue 2028-2022

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-present

Sadie Bennett 2015-present

Emily Lang 2015-present

Lucy Owen 2014-2016

Camilla van Geen 2013-present

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