Current as of October 2023

JOSEPH E. DUNSMOOR, Ph.D.
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PROFESSIONAL APPOINTMENTS

2017- Present **University of Texas at Austin**
Assistant Professor | Department of Psychiatry and Behavioral Sciences
Assistant Professor | Department of Neuroscience
Appointments in Department of Psychology, Institute for Neuroscience, Institute for Mental Health Research, Center for Learning & Memory

EDUCATION & TRAINING

2012 - 2017 **New York University**
Postdoctoral Researcher, Department of Psychology
Laboratory of Elizabeth A. Phelps

2012 **Duke University**
Ph.D., Psychology & Neuroscience
Advisor: Kevin S. LaBar

2005-2007 **National Institute of Mental Health (Bethesda, MD)**
Postbaccalaureate Intramural Research Training Award (IRTA) Fellow
Laboratory of Brain and Cognition/Functional Imaging Methods
Advisor: Peter A. Bandettini

2004 **James Madison University**
B.S., Psychology

HONORS, FELLOWSHIPS, & MAJOR GRANTS

2021-	NIH R01 - R01MH122387
2019-	National Science Foundation CAREER Award (PI)
2019	Invited to be Associate Member of American College of Neuropsychopharmacology (ACNP)
2019	Society of Biological Psychiatry Chair's Choice Travel Award
2018-	NARSAD Young Investigator Award (PI)
2018	Invitation to Memory Disorders Research Society (MDRS)
2017-	NIH R00MH106719 (PI)
2016	American College of Neuropsychopharmacology Travel Awardee
2015-2017	NIH K99 Pathway to Independence Award - K99MH106719 (PI)
2013-2014	NIH Training Award in Systems and Integrative Neuroscience - T32 MH019524
2011	American Psychological Association Dissertation Research Award
2010-2012	Individual NIH Predoctoral National Research Service Award (NRSA) - F31 MH090682 (PI)
2009	Mentoring fellowship, Duke University
2005	Postbaccalaureate Intramural Research Training Award (IRTA), National Institutes of Health

PEER REVIEWED ARTICLES

1. Cisler HM, **Dunsmoor JE**, Privratsky AA, James GA (2023). Decoding neural reactivation of threat during fear learning, extinction, and recall in a randomized clinical trial of L-DOPA among women with PTSD. *Psychological Medicine*, [epub ahead of print].

2. Laing PAF & **Dunsmoor JE** (2023). Pattern separation of fear extinction memory. *Learning & Memory, 30*, 110-115.

3. Keller NE, Cooper SE, McClay M, **Dunsmoor JE** (2023). Counterconditioning reduces contextual renewal in a novel context but not in the acquisition context. *Neurobiology of Learning & Memory,* [epub ahead of print].

4. Salvi C, Iannello P, Cancer A, Cooper SE, McClay M, **Dunsmoor JE**, Antonietti A (2023). Does social rigidity predict cognitive rigidity? Profiles of socio-cognitive polarization. *Psychological Research*, [epub ahead of print].

5. Bach DR, Sporrer J, Abend R, Beckers T, **Dunsmoor JE**, et al. (2023). Consensus design of a calibration experiment for human fear conditioning. *Neuroscience and Biobehavioral Reviews,* [epub ahead of print].

6. Crombie KM, Azar A, Botsford C, Heilicher M, Moughrabi N, Sagorac Gruichich T, Schomaker CM, **Dunsmoor JE,** & Cisler JM (2023). Aerobic exercise after extinction learning reduces return of fear and enhances memory for items encoded during extinction learning. *Mental Health and Physical Activity*. [epub ahead of print]

7. Crombie KM, Adams TG, **Dunsmoor JE,** Greenwood BN, Smits JA, Nemeroff CB, & Cisler JM (2023). Aerobic exercise in the treatment of PTSD: An examination of preclinical and clinical laboratory findings, potential mechanisms, clinical implications, and future directions. *Journal of Anxiety Disorders*. [epub ahead of print]

8. Cooper SE, **Dunsmoor JE**, Koval KA, Pino ER, & Steinman SA (2022). Test-retest reliability of human threat conditioning and generalization across a 1-to-2-week interval. *Psychophysiology*. [epub ahead of print]

9. Clewett D, & **Dunsmoor JE**, (2023). Novel Strategies for expanding memory's penumbra in aging. *Trends in Cognitive Sciences, 27,* 120-121*.*

10. **Dunsmoor JE**, Murty VP, Clewett D, Phelps EA, Davachi L (2022). Tag-and-capture: How salient experiences target and rescue nearby events in memory. *Trends in Cognitive Sciences.*

11. **Dunsmoor JE**, Murty VP, Clewett D, Phelps EA, Davachi L (2022). Tag-and-capture: How salient experiences target and rescue nearby events in memory. *Trends in Cognitive Sciences.*

12. **Dunsmoor JE**, Cisler JM, Fonzo GA, Creech SK, & Nemeroff CB (2022). Laboratory models of posttraumatic stress disorder: The elusive bridge to translation. *Neuron*, *110*, 1754-1776.

13. Keller NE, Hennings AC, Leiker EK, Lewis-Peacock JA, & **Dunsmoor JE** (2022) Rewarded extinction increases amygdalar connectivity and stabilizes long-term memory traces in the vmPFC. *Journal of Neuroscience*.

14. Cooper SE, van Dis EAM, Krypotos AM, Hagenaars MA, Nemeroff CB, Lissek S, Engelhard IM, & **Dunsmoor JE** (2022). A meta-analysis of conditioned fear generalization in anxiety-related disorders. *Neuropsychopharmacology*.

15. Hennings AC, McClay M, Drew M, Lewis-Peacock JA, & **Dunsmoor JE** (2022). Neural reinstatement reveals divided organization of fear and extinction memory in the human brain. *Current Biology,* 32, 304-312.

16. Hennings AC, Cooper SE, Lewis-Peacock JA, & **Dunsmoor JE** (2022). Pattern analysis of neuroimaging data reveals novel insights on threat learning and extinction in humans. *Neuroscience and Biobehavioral Reviews*.

17. Moughrabi N, Botsford C, Sagorac Gruichich T, Azar A, Heilicher M, Hiser J, Crombie KM, **Dunsmoor JE**, Stowe Z, Cisler JM (2022). Large-scale neural network computations and multivariate representations during approach-avoidance conflict decision-making. *Neuroimage*.

18. Salvi C, Barr N, **Dunsmoor JE**, Grafman J (2022). Insight problem solving ability predicts susceptibility to fake news, bullsh*t, and overclaiming. *Thinking & Reasoning*.

19. Clewett D, **Dunsmoor JE**, Bachman SL, Phelps EA, Davachi L (2022). Survival of the salient: Aversive learning rescues otherwise forgettable memories via neural reactivation and post-encoding hippocampal connectivity. *Neurobiology of Learning & Memory.* [online ahead of print].

20. Steinman SA, **Dunsmoor JE**, Gazman Z, Stovezky Y, Pascucci O, Pomerenke J, Phelps EA, Fyer A, & Simpson HB (2022). A preliminary test of novelty-facilitated extinction in individuals with pathological anxiety. *Frontiers in Behavioral Neuroscience, 16.*

21. Cooper SE, **Dunsmoor JE**, Koval KA, Pino ER, & Steinman SA (In Revision at *Psychophysiology*). Test-retest reliability of human threat conditioning and generalization.

22. Cooper SE & **Dunsmoor JE** (2021). Fear conditioning and extinction in obsessive-compulsive disorder: A systematic review. *Neuroscience and Biobehavioral Reviews, 129,* 75-94.

23. Cowan E, Schapiro AC, **Dunsmoor JE**, & Murty VP (2021). Memory consolidation as an adaptive process. *Psychonomic Bulletin & Review*, 28, 1796-1810.

24. Hennings AC, Lewis-Peacock JA, & **Dunsmoor JE** (2021). Emotional learning retroactively enhances item memory but distorts source attribution. *Learning & Memory*, 28, 178-186.

25. Goldfarb EV, Blow T, **Dunsmoor JE**, & Phelps EA (2021). Elemental and configural threat learning bias extinction generalization. *Neurobiology of Learning & Memory, 180*.

26. Salvi C, Leiker EK, Baricca B, Molinari MA, Eleopra R, Nichelli PF, Grafman J, & **Dunsmoor J**E (2021). The effect of dopaminergic replacement therapy on creative thinking and insight problem-solving in Parkinson's disease patients. *Frontiers in Psychology*, 12.

27. Salvi C, Iannello P, Cancer A, McClay M, Rago S, **Dunsmoor J**E, Antonietti A (2021). Going viral: Social and cognitive factors influence fake news detection and proliferation during COVID-19 pandemic. *Frontiers in Communication*, doi.org/10.3389/fcomm.2020.562588.

28. Hennings AC, Bibb SA, Lewis-Peacock JA, & **Dunsmoor JE** (2020). Thought suppression inhibits the generalization of fear extinction. *Behavioural Brain Research*, 398, doi.org/10.1016/j.bbr.2020.112931.

29. McClay M, Hennings AC, Reidel A, **Dunsmoor JE** (2020). Generalization of conditioned fear along a dimension of increasing positive valence**.** *Neuropsychologia*, *148*, doi.org/10.1016/j.neuropsychologia.2020.107653**.**

30. Houtekamer MC, Henckens MJAG, Mackey WE, **Dunsmoor JE**, Homberg JR, & Kroes MCW (2020). Investigating the efficacy of the reminder-extinction procedure to disrupt contextual threat memories in humans using immersive Virtual Reality. *Scientific Reports, 10,* 1-18.

31. Papini S, **Dunsmoor JE**, Smits J (2020). The impact of prior and ongoing threat on the false alarm threshold for facial discrimination. *Journal of Behavior Therapy and Experimental Psychiatry, 70,* doi.org/10.1016/j.jbtep.2020.101619

32. Hennings AC, McClay M, Lewis-Peacock JA, & **Dunsmoor JE** (2020). Contextual reinstatement promotes extinction generalization in healthy adults but not PTSD. *Neuropsychologia*, *147*, doi.org/10.1016/j.neuropsychologia.2020.107573

33. Morey RA, Haswell CC, Stjepanovic D; Mid-Atlantic MIRECC Workgroup, **Dunsmoor JE**, LaBar KS (2020). Neural correlates of conceptual-level fear generalization in posttraumatic stress disorder. *Neuropsychopharmacology*, 45, 1380-1389.

34. Goodman J, McClay M, & **Dunsmoor JE** (2020). Threat-induced modulation of hippocampal and striatal memory systems during navigation of a virtual environment. *Neurobiology of Learning & Memory*, *168*.

35. Keller NE, Hennings AC, & **Dunsmoor JE** (2020). Behavioral and neural processes in counterconditioning: past and future directions. *Behavior Research & Therapy*, *125*.

36. Fullana MA, **Dunsmoor JE**, Schruers KRJ, Savage HS, Bach DR, & Harrison BJ (2020). Human fear conditioning: from neuroscience to the clinic. *Behavior Research & Therapy, 124.*

37. Keller NE & **Dunsmoor JE** (2019). Effects of aversive-to-appetitive counterconditioning on implicit and explicit fear. *Learning & Memory*, 27, 12-19.

38. **Dunsmoor JE**, Kroes MCW, Li J, Daw N, Simpson HB, & Phelps EA (2019). The role of the ventromedial prefrontal cortex in enhanced fear extinction. *Journal of Neuroscience,* 39, 3264-3276.

39. **Dunsmoor JE**, Kroes MCW, Murty VP, Braren SH, & Phelps EA (2019). Emotional enhancement of memory for neutral information: The complex interplay between arousal, attention, and anticipation. *Biological Psychology,* 145, 134-141.

40. Picó-Pérez M, Alemnany-Navarro M, **Dunsmoor JE,** Radua J, Albajes-Eizagirre A, Vervliet B, Cardoner N, Benet O, Harrison B, Soriano-Max C, Fullana MA (2019). Common and distinct neural correlates of fear extinction and cognitive reappraisal: a meta-analysis of fMRI studies. *Neuroscience & Biobehavioral Reviews*, 104, 102-115.

41. Kroes MCW, **Dunsmoor JE**, Hakimi M, Oosterwaal S, NYU PROSPEC collaboration, Meager MR, & Phelps EA (2019). Patients with dorsolateral prefrontal cortex lesions are capable of discriminatory threat learning but appear impaired in cognitive regulation of subjective fear. *Social, Cognitive, and Affective Neuroscience*, 14, 601-612.

42. Starita F, Kroes MCW, Davachi L, Phelps EA, & **Dunsmoor JE** (2019). Threat learning enhances generalization of episodic memory. *Journal of Experimental Psychology: General*, 148, 1426-1434.

43. **Dunsmoor JE** & Kroes MCW (2019). Episodic memory and Pavlovian conditioning: Ships passing in the night. *Current Opinion in Behavioral Sciences*, 26, 32-39.

44. FeldmanHall O & **Dunsmoor JE** (2019). Viewing adaptive moral choice through the lens of associative learning. *Perspectives on Psychological Science*, 14, 175-196.

45. **Dunsmoor JE**, Kroes MCW, Moscatelli CM, Evans MD, Davachi L, & Phelps EA (2018). Event segmentation protects emotional memories from competing experiences encoded close in time. *Nature Human Behaviour, 2,* 291-299.

46. FeldmanHall O, **Dunsmoor JE**, Tompary A, Hunter LE, Todorov A & Phelps EA (2018). Stimulus generalization as a mechanism for learning to trust. *Proceedings of the National Academy of Sciences, 115*, 1690-1697*.*

47. **Dunsmoor JE**, Otto AR, & Phelps EA (2017). Stress promotes generalization of older but not recent threat memories. *Proceedings of the National Academy of Sciences, 114*, 9218-9223.

48. FeldmanHall O, **Dunsmoor JE**, Kroes MCW, & Phelps EA (2017). Associative learning of social value in dynamic groups. *Psychological Science, 28*, 1160-1170*.*

49. Kroes MCW*, **Dunsmoor JE***, Mackey, W., McClay, M. & Phelps EA (2017). Context conditioning in humans using commercially available immersive Virtual Reality. *Scientific Reports, 7.* *equal contribution

50. Kroes MCW, **Dunsmoor JE**, Lin Q, & Phelps EA (2017). An isolated reminder selectively and retroactively strengthens, but does not disrupt, memory for threatening events. *Scientific Reports, 7.*

51. Murphy GL & **Dunsmoor JE** (2017) Do salient features overshadow learning of other features in category learning? *Journal of Experimental Psychology: Animal Learning and Cognition, 43,* 219-230

52. **Dunsmoor JE**, Kroes MCW, Braren S, & Phelps EA (2017). Threat intensity widens fear generalization gradients. *Behavioral Neuroscience, 131.* 168-175.

53. Patil A, Murty VP, **Dunsmoor JE**, Phelps EA, Davachi L (2017). Reward retroactively enhances memory consolidation for related items. *Learning & Memory, 24.* 65-69.

54. **Dunsmoor JE**, Kubota J, Li J, Coelho C, & Phelps EA (2016). Racial stereotypes impair flexibility of emotional learning. *Social Cognitive & Affective Neuroscience*, *11.* 1363-1373.

55. **Dunsmoor JE**, Niv Y, Daw N, & Phelps EA (2015). Rethinking extinction. *Neuron*, 88, 47-63.

56. **Dunsmoor JE**, Murty VP, Davachi L, & Phelps EA (2015). Emotional learning selectively and retroactively strengthens episodic memories for related events. *Nature*, 520, 345-348.

57. **Dunsmoor JE** & Paz R (2015). Fear generalization and anxiety: Behavioral and neural mechanisms. *Biological Psychiatry*, 78, 336-343.

58. **Dunsmoor JE**, Campese VD, Ceceli AO, LeDoux JE, & Phelps EA (2015). Novelty-facilitated extinction: Providing a novel outcome in place of an expected threat diminishes recovery of defensive responses**.** *Biological Psychiatry*, 78, 203-209.

59. **Dunsmoor JE** & Murphy GL (2015). Categories, concepts, and conditioning: How humans generalize fear. *Trends in Cognitive Sciences*, 19, 73-77.

60. Dymond S, **Dunsmoor JE**, Vervliet B, Roche B, & Hermans D. (2015). Fear generalization in humans: Systematic review and implications for anxiety disorder research. *Behavior Therapy*, 46, 561-582.

61. Coelho C, **Dunsmoor JE,** & Phelps EA (2015). Compound stimulus extinction reduces spontaneous recovery in humans. *Learning & Memory, 22,* 589-593.

62. Morey RA, **Dunsmoor JE**, et al. (2015). Fear learning circuitry is biased toward generalization of fear associations in Posttraumatic Stress Disorder. *Translational Psychiatry, 5.* e700.

63. Åhs F, **Dunsmoor JE**, Zielinski D, & LaBar KS (2014). Spatial proximity amplifies valence in emotional memory and defensive approach-avoidance**.** *Neuropsychologia*, 70, 476-485.

64. **Dunsmoor JE** & Murphy GL (2014). Stimulus typicality determines how broadly fear is generalized. *Psychological Science,* 25, 1816-1821.

65. **Dunsmoor JE**, Kragel, PA, Martin A, & LaBar KS (2014). Aversive learning modulates cortical representations of object categories. *Cerebral Cortex,* 24, 2859-2872.

66. **Dunsmoor JE**, Åhs F, Zielinski D, & LaBar KS (2014). Extinction in multiple virtual reality contexts diminishes fear reinstatement in humans. *Neurobiology of Learning & Memory*, 113, 157-164.

67. **Dunsmoor JE** & LaBar KS (2013). Effects of discrimination training on fear generalization gradients and perceptual classification in humans. *Behavioral Neuroscience, 127*, 350-356.

68. **Dunsmoor JE** & LaBar KS (2012). Brain activity associated with the omission of an aversive event reveals effects of fear learning and generalization. *Neurobiology of Learning & Memory, 97*, 301-312.

69. **Dunsmoor JE**, Martin A, & LaBar KS (2012). The role of conceptual knowledge in learning and retention of conditioned fear. *Biological Psychology, 89*, 300-305.

70. Cain MS, **Dunsmoor JE**, LaBar KS, & Mitroff SR (2011) Anticipatory anxiety hinders detection of a second target in dual-target search. *Psychological Science, 22,* 866-871.

71. **Dunsmoor JE**, Prince SE, Murty VP, Kragel PA, & LaBar KS (2011) Neurobehavioral mechanisms of human fear generalization. *Neuroimage, 55,* 1878-1888.

72. **Dunsmoor JE**, White AJ, & LaBar KS (2011) Conceptual similarity promotes generalization of higher-order fear learning. *Learning & Memory, 18,* 156-160.

73. **Dunsmoor JE**, & Schmajuk NA (2009) Interpreting patterns of brain activation in human fear conditioning with an attentional-associative learning model. *Behavioral Neuroscience*, *123,* 851-855.

74. **Dunsmoor JE**, Mitroff SR, & LaBar KS (2009). Generalization of conditioned fear along a dimension of increasing fear intensity. *Learning and Memory, 16*, 460-469.

75. **Dunsmoor JE,** Bandettini PA, & Knight DC (2008). Neural correlates of unconditioned response diminution during Pavlovian conditioning. *Neuroimage, 40*, 811-817.

76. **Dunsmoor JE**, Bandettini PA, & Knight DC (2007). Impact of continuous versus intermittent CS-UCS pairing on human brain activation during Pavlovian fear conditioning. *Behavioral Neuroscience, 121*, 635-642.

BOOK CHAPTERS AND COMMENTARIES

1. **Dunsmoor JE** & Kroes MCW (2020). Emotion-memory interactions: implications for the reconsolidation of negative memories. In: *The Neuroscience of Enduring Change*, Lane R, & Nadel L eds. Oxford University Press.

2. Ritchey M, Murty VP & **Dunsmoor JE.** (2017) Adaptive memory systems for remembering the salient and the seemingly mundane. *Behavioral and Brain Sciences, 39,* e221.

3. **Dunsmoor JE** & Paz R (2016). Generalization of learned fear. In: *Neurobiology of PTSD*, Liberzon I & Ressler KJ eds. Oxford University Press.

4. **Dunsmoor JE** & LaBar KS (2013). Neural basis of human fear learning. In: *Handbook of Human Affective Neuroscience,* Vuilleumier P and Armony J eds. Cambridge University Press, pp 419-443.

5. **Dunsmoor JE**, Åhs F & LaBar KS (2011) Neurocognitive mechanisms of fear conditioning and vulnerability to anxiety. *Frontiers Human Neuroscience,* 5, 35.

6. Schmajuk NA, Kutlu MG, **Dunsmoor JE** & Laurrauri, JA (2010). Attention, associations, and configurations in conditioning. In: *Computational Models of Conditioning*, Schmajuk NA ed. Cambridge University Press, pp 186-218

CONFERENCE AND INVITED TALKS (since 2013)

Dunsmoor JE (2023) Pattern separation of fear extinction memory. *Memory Disorders Research Society, Los Angeles, CA.*

Dunsmoor JE (2023) How emotion shapes learning and memory. *Sparks seminar series at Swansea University, Swansea, Wales.* [talk delivered remotely]

Dunsmoor JE (2022) Latent associative structures facilitate higher-order transfer of learned fear. *American College of Neuropsychopharmacology, Phoenix, AZ.*

Dunsmoor JE (2022) Latent associative structures facilitate higher-order transfer of learned fear. *Pavlovian Society Annual Meeting, Milwaukee, WI.*

Dunsmoor JE (2022) Neurobehavioral mechanisms of counterconditioning. *Center for Neuromodulation in Depression and Stress and brainSTIM. Virtual.*

Dunsmoor JE (2022) How aversive learning affects the strength and organization of neutral memories encoded close in time. *Cognitive Neuroscience Society Meeting, San Francisco, CA.*

Dunsmoor JE (2022) Neurobehavioral mechanisms of counterconditioning. *Anxiety & Depression Association of America. Denver, CO.*

Dunsmoor JE (2022) Generalization and control of emotional learning and memory. *University of Maryland, College Park, MD (virtual).*

Dunsmoor JE (2021) How the human brain organizes competing memories of threat and safety. *Harvard University, Boston, MA (virtual).*

Dunsmoor JE (2021) Neural reinstatement reveals dissociable organization of long-term fear and extinction memories in healthy adults and PTSD. *Social Affective Neuroscience Society*, *Virtual meeting.*

Dunsmoor JE (2021) Neural reinstatement promotes context-independent extinction generalization. *Society for Psychophysiological Research*, *Virtual meeting.*

Dunsmoor JE (2021) Dissociable neural representations of long-term fear and extinction memory in healthy adults and PTSD. *Anxiety & Depression Association of America*, *Virtual meeting.*

Dunsmoor JE (2020) Dissociable neural representations of long-term fear and extinction memory in healthy adults and PTSD. *Association for Behavioral and Cognitive Therapies*, *Virtual meeting.*

Dunsmoor JE (2019) Mental context reinstatement balances retrieval of fear versus safety memories in the human brain. *Memory Disorders Research Society annual meeting*, *Columbia University, New York, NY.*

Dunsmoor JE (2019) New approaches to fear extinction research using human neuroimaging. *Institute for Early Life Adversity*, *University of Texas, Austin, TX.*

Dunsmoor JE (2019) The effect of rewarded extinction on implicit and explicit threat memory. *Society for Neuroscience*, *Chicago, IL.*

Dunsmoor JE (2019) Neural reinstatement orchestrates retrieval of extinction memories. *International Society for Research on Emotion, Amsterdam, The Netherlands.*

Dunsmoor JE (2019) Mental context reinstatement balances retrieval of fear versus safety memories in the human brain. *Spring Hippocampal Research Conference, Sicily, Italy.*

Dunsmoor JE (2018) How Pavlovian learning can shape episodic memory. *Affective Brain Lab's Seminar Series, University College London, UK.*

Dunsmoor JE (2018) Maximizing surprise during threat extinction engages the prefrontal cortex and helps prevent the return of fear. *Association for Psychological Science, San Francisco, CA.*

Dunsmoor JE (2018) Multiple systems for generalization of learning and memory in human Pavlovian conditioning. *keynote address, *European Meeting of Human Fear Conditioning, Wales.*

Dunsmoor JE (2018) Episodic memory & Pavlovian conditioning: Ships passing in the night. *Boston College, MA.*

Dunsmoor JE (2017) The role of the ventromedial PFC in learning and recall of enhanced fear extinction. *American College of Neuropsychopharmacology, Palm Springs, CA.*

Dunsmoor JE (2017) How emotion shapes memory. *Neuroscience of Enduring Change: Applications to Psychotherapy, Tucson, AZ.*

Dunsmoor JE (2017) Pavlovian conditioning and episodic memory: Ships passing in the night. *Upsala University, Sweden.*

Dunsmoor JE (2017) How emotion shapes memory. *Psychiatry Grand Rounds, Dell Medical School, University of Texas at Austin, TX*

Dunsmoor JE (2016) Rethinking extinction and developing novel treatments for fear. *Association for Behavioral and Cognitive Therapies, New York, NY.*

Dunsmoor JE (2016) Generalization and control of fear. *Dell Medical School Department of Psychiatry at the University of Texas at Austin.*

Dunsmoor JE (2016) The effects of threat intensity and acute stress on fear generalization in humans**.** *Society of Biological Psychiatry, Atlanta, GA.*

Dunsmoor JE (2015) The effect of generalized fear learning on episodic memory. *American College of Neuropsychopharmacology, Hollywood, FL.*

Dunsmoor JE (2015) The effect of acute stress on fear generalization. *Society for Neuroscience*, *Chicago, IL.* *session Chair

Dunsmoor JE (2015) Emotional learning enhances memory consolidation for conceptually related prior events. *International Convention of Psychological Science, Amsterdam, The Netherlands*.

Dunsmoor JE (2015) Generalization and control of emotional learning. *KU Leuven, Leuven, Belgium*.

Dunsmoor JE (2014) Perceptual and conceptual routes to fear generalization in humans. GK Spring School, University of Wurzburg, *Wurzburg, Germany*.

Dunsmoor JE, Ceceli AO, & Phelps EA (2013) Differential effects of extinction, counterconditioning, and avoidance on the return of fear in humans. *Society for Neuroscience*, *San Diego, CA.*

POSTERS AND OTHER PRESENTATIONS (since 2010)

Laing PAF & **Dunsmoor, J. E**. (2020). Pattern separation of fear extinction memory. *Pavlovian Society, Austin, TX.*

Cooper, S.E., van Dis, E. A. M., Krypotos, A. M., Hagenaars, M. A., Nemeroff, C. B., Lissek, S., Engelhard, I. M., & **Dunsmoor, J. E.** (2022). *A meta-analysis of conditioned fear generalization in anxiety-related disorders.* Poster presented at the Society of Biological Psychiatry, New Orleans, LA.

Cooper, S. E**.**, Keller, N. E., McClay, M., & **Dunsmoor, J. E.** (2021) PTSD and OCD symptom dimensions predict aberrant learning in a Web-based causal learning task. *European Meeting on Human Fear Conditioning (virtual).*

Hennings, A. C., McClay, M., Lewis-Peacock, J. A., **Dunsmoor, J. E**. (2020). Dissociable reinstatement of emotional memories in the human PFC. *Cognitive Neuroscience Society Meeting* (*virtual*)

Hennings, A. C., McClay M., Lewis-Peacock, J. A., **Dunsmoor, J. E.** (2019). Reinstatement of mental context resolves conflicts between fear and extinction memories. *Wisconsin Symposium on Emotion, Madison, WI.*

Birch, IC, Lonsdorf TB, **Dunsmoor JE**, Zammit S, Jones MW, Lewis PA (2019) Fear learning, slow-wave sleep and trait anxiety: A conditioning study. *Society for Neuroscience*, *Chicago, IL.*

Hennings AC, McClay M, Lewis-Peacock JA, & **Dunsmoor JE** (2019) Reinstatement of mental context facilitates retrieval of extinction memories. *Cognitive Neuroscience Society*, *San Francisco, CA.*

Hennings AC, Lewis-Peacock JA, & **Dunsmoor JE** (2018) Mental context tagging reveals deficits of extinction learning in PTSD. *Society for Neuroscience*, *San Diego, CA.*

Goodman J, & **Dunsmoor JE** (2018) Threat-induced anxiety selectively impairs hippocampus-mediated spatial memory, but enhances the use of striatum-based navigation in a virtual radial arm maze. *Society for Neuroscience*, *San Diego, CA.*

Clewett DV, Yi D, Bachman S, **Dunsmoor JE**, Phelps EA, & Davachi L (2018) Brain mechanisms by which emotional learning selectively and retroactively enhances memory for related information. *Society for Neuroscience*, *San Diego, CA.*

Kroes MC, Lin Q, & **Dunsmoor JE**, & Phelps EA (2018) Identifying neural signatures of reconsolidation in humans. *Society for Neuroscience*, *San Diego, CA.*

Keller N & **Dunsmoor JE** (2018) Rewarded extinction diminishes enhancement of episodic fear memory. *Cognitive Neuroscience Society*, *Boston, MA.*

Hennings AC, Lewis-Peacock JA, & **Dunsmoor JE** (2018) Mental context reinstatement may underlie successful retrieval of extinction memories. *Cognitive Neuroscience Society*, *Boston, MA.*

Dunsmoor JE, Kroes MCW, Braren S, and Phelps EA (2016) Threat anticipation during encoding impairs visual object pattern separation. *International Conference on Memory, Budapest, Hungary.*

Dunsmoor JE (2015) Neural activity to a racial outgroup during reversal of conditioned fear. *Organization for Human Brain Mapping, Honolulu, Hawaii.*

Dunsmoor JE, Murty VP, Davachi L, & Phelps EA (2014) Emotional learning selectively enhances declarative memory for past events. *Society for Neuroscience*, *Washington DC.*

Dunsmoor JE, Åhs F, Zielinski D & LaBar KS (2012) Conditioned fear acquired in close personal space is resistant to extinction. *Society for Neuroscience, New Orleans, LA.*

Dunsmoor JE, Martin A & LaBar KS (2012) Reinforcement learning enhances mnemonic representations of neutral stimuli. *Cognitive Neuroscience Society, Chicago, IL.*

Dunsmoor J, Martin A & LaBar KS (2011) Aversive learning modulates cortical representations of object concepts. *Society for Neuroscience, Washington DC.*

Cain, MS, **Dunsmoor JE,** LaBar KS & Mitroff SR. (2011). Accuracy in dual-target visual search is hindered by anticipatory anxiety. *Journal of Vision,* 11.

Dunsmoor JE & LaBar KS (2010) Fear generalization induces negative prediction error signals. *Society for Neuroscience, San Diego, CA.*

Dunsmoor J, Martin A & LaBar KS (2010) Categorical representations in human fear learning. *Annual meeting of the Pavlovian Society, Baltimore, MD.*

Dunsmoor J, Bullock A & LaBar K (2010). Does the semantic relatedness of conditional cues facilitate the transfer of learned fear? *Cognitive Neuroscience Society, Montreal, Canada.*

LaBar K, **Dunsmoor J**, Kragel P, Murty V & Prince S (2010). Neural mechanisms of fear generalization. *Cognitive Neuroscience Society, Montreal, Canada.*

PUBLIC LECTURES AND OUTREACH ACTIVITIES

March 2021 Testified at Texas state capitol congressional subcommittee on criminal justice
November 2019 Seminar on addiction and recovery, public talk
June & July 2019 Dell Medical School Health Science Summer Camp, neuroscience course.
February 2019 UT Brainstorms, public lecture on attention and the brain, panelist
February 2018 UT Brainstorms, public lecture on fear and the brain, panelist

ACADEMIC ADVISING AND MENTORING EXPERIENCES

Postdoctoral Fellows Directly Supervised

Elizabeth Bauer	2023-
Patrick Laing	2022-
Samuel Cooper	2019-

Carola Salvi (now Asst. Prof. in Rome, Italy)	2019-2022
Emily Leiker	2019-2020
Jarid Goodman (now Asst. Prof. at Delaware State)	2017-2018

PhD Students Directly Supervised

Lingwei Ouyang	2022-
Ayesha Nadiadwala (Neuroscience program)	2020-
Nicole Keller (Neuroscience program)	2018-
Augustin Hennings (Neuroscience program)	2017-

Rotation Advisor for Neuroscience PhD candidates

Mariss Raskin	2020
Zachary Bretton	2020
Ayesha Nadiadwala	2019
Dylan Kirsch	2017

Member of Graduate Committee

Emma Brockway (Primary mentor: Michael Drew)	2021 Defense
Hyojeong Kim (Primary mentor: Jarrod Lewis-Peacock)	2020 Defense
Nicholas Griffin (Primary mentor: David Schnyer)	2019 Defense
Michael Lee (Primary mentor: Michael Telch)	2019 Defense

Full time lab manager

Cheyenne Ahamed	2023-
Sydney Lambert	2023-
Sophia Bibb	2021-2023
Carly Hatchell	2019-2020
Mason McClay	2017-2020

Mentor and Supervisor for Undergraduate and Visiting Graduate Students

Amrit Banwait (UT-Austin Psych undergrad)	2022-
Andrew Spire (UT-Austin Psych undergrad)	2022-
Phillip Taboada (UT-Austin Psych undergrad)	2022-
Raymond Truong (UT-Austin Nutrition undergrad)	2022-
Rithvik Pakala (UT-Austin Psych undergrad)	2022-
Vivek Beeram (UT-Austin Psych undergrad)	2022-
Avery Largent (UT-Austin Psych undergrad)	2019-2021
Sophie Bibb (UT-Austin Neuro undergrad)	2019-2021
Neel Bhobe (UT-Austin Psych undergrad)	2019-2020
Alejandro G Rey Hipolito (UT-Austin Psych undergrad)	2019-2020
Alex Reidel (UT-Austin Psych undergrad)	2018-2020
Sophia Toprac (UT-Austin Plan 2 undergrad)	2017-2020
Jeffrey Chen (UT Neuroscience undergrad)	2018-2019
Swecha Ramireddy (UT Psych undergrad)	2018-2020
Caroline Moscatelli (NYU Psychology undergrad)	2016-2017
Stephen Braren (Hunter Psychology undergrad)	2015-2017
Mathew Hakimi (NYU Psychology undergrad)	2015-2016
Cesar Coelho (visiting PhD student from Brazil)	2014-2015
Ameed Basher Abualteen (NYU Psychology undergrad)	2014
Ahmet Ceceli (NYU Masters student)	2012-2014
Brenda Li (NYU Psychology undergrad)	2013

Allison White (Duke Psychology Undergrad)	2009-2011
Carmen Lai (Duke Psychology Undergrad)	2010

LECTURES (since 2017)

September 2023 Neuroscience (med students), Emotion & Reward
September 2023 Neuroscience (med students), Learning & Behavior
April 2022 Fundamentals of Neuroscience (grad level), Human memory systems
September 2021 Neuroscience (med students), Emotion & Reward
September 2021 Neuroscience (med students), Learning & Behavior
April 2021 Fundamentals of Neuroscience (grad level), Human memory systems.
April 2021 Pathophysiology of PTSD (resident level), Lecture to Psychiatry Resident fellows.
April 2020 Principles of Cognitive Neuroscience (grad level), Neuroscience of emotions.
April 2020 Fundamentals of Neuroscience (grad level), Associative learning and memory.
April 2019 Principles of Cognitive Neuroscience (grad level), Neuroscience of emotions.
January 2019 Research faculty meet & greet with psychiatry residents at Dell Medical School
April 2018 Fundamentals of Neuroscience (grad level), Associative learning and memory.
March 2017 Principles of Cognitive Neuroscience (grad level), Neuroscience of emotions.

AD HOC REVIEWER

J Anxiety Disorders; J Applied Research in Memory & Cognition; J Cognitive Enhancement; Behavior Therapy; Behaviour Research and Therapy; Biological Psychology; Biological Psychiatry; Cerebral Cortex; Cognitive, Affective, and Behavioral Neuroscience; Cognition & Emotion; Clinical Psychological Science; Cortex; Emotion; Frontiers Neuroscience; Human Brain Mapping; Learning & Motivation; JAMA; Journal of Neuroscience; Journal of Neuroscience Research; Neuropsychopharmacology; Neurobiology of Learning & Memory; Nature Communications; Nature Neuroscience; Neuron; NeuroImage; Neurobiology of Stress; Neuropsychopharmacology; Pain; PLoS (One); Proceedings of the National Academy of Sciences (PNAS); Psychological Science; Psychonomic Bulletin & Review; Psychiatry Research; Scientific Reports; Social, Cognitive, and Affective Neuroscience (SCAN); Trends in Cognitive Science.

ONGOING RESEARCH SUPPORT

1 R01 MH 122387-01 (Dunsmoor)	1/15/2021 – 12/31/2025	5.00 calendar
NIMH	$2,565,639	

Title: Localizing and modulating competing memories of fear and safety in the human brain
The major goals of this project are to use computational neuroimaging approaches to uncover stable and separate neural representations of conditioned fear and extinction, and compare these neural signatures between healthy adults and individuals with PTSD.

5 R00 MH 106719-05 (Dunsmoor)	8/1/2017 – 5/31/2022 (NCE)	4.00 calendar
NIMH	$768,481.73	

Title: Improving the control of fear: Healthy adults to pathological anxiety
The major goals of this project are to investigate novel behavioral strategies to optimize fear extinction in humans with pathological anxiety and stress-related disorders.

NSF CAREER 1844792 (Dunsmoor)	1/09/2019 – 12/31/2023	2.00 calendar
National Science Foundation	$1,540,891	

Title: CAREER: Implications of a neurobiological model of memory for education: how novelty exposure transforms poor learning into durable memories
The major goals of this project are to investigate how experiences of novelty can rescue weakly formed hippocampal memories in humans

NARSAD Young Investigator Award (Dunsmoor) 1/15/2019 – 1/14/2021 0.00 calendar
Brain & Behavior Research Foundation $67,630
Title: Retrieval of enhanced fear extinction in PTSD six months later: the neural correlates of long-term extinction memory
The major goals of this project are to extend research on the R00 by conducting a follow-up fMRI scan on subjects who underwent fear extinction protocol in order to assess long-term retrieval of extinction.

COMPLETED RESEARCH SUPPORT

National Institute of Mental Health 04/15/2015- 3/31/2017
K99R00 Transition to Independence Award
K99 MH106719 Role: PI
Title: Improving the Control of Fear: Healthy Adults to Pathological Anxiety

National Institute of Mental Health 11/16/2010- 08/2012
Predoctoral NRSA Training Award
F31 MH090682 Role: PI
Title: Brain Mechanisms Supporting the Generalization of Learned Fear