

ACADEMIC POSITIONS

2010 – present	Associate Professor, Department of Psychology, New York University
2004 – 2010	Assistant Professor, Department of Psychology, New York University
2000 – 2003	Post-doctoral Research Fellow, Brain and Cognitive Sciences, MIT

EDUCATION

1993 – 1999	Ph.D., Neurobiology, Yale University Advisor: Patricia Goldman-Rakic
1988 – 1992	B.A., Psychology, Barnard College, Columbia University

FELLOWSHIPS, HONORS AND AWARDS

2012	Sage Center for the Mind, Visiting Scholar
2009	Young Investigator Award, Cognitive Neuroscience Society
2005	John Merck Scholars Award – Final Round of Competition
2005	Whitehead Fellowships for Junior Faculty in Biomedical and Biological Sciences
2003	Summer Institute in Cognitive Neuroscience Fellowship, Lake Tahoe
2002	Summer Institute in Cognitive Neuroscience Fellowship, Dartmouth College
2001	National Research Service Award, three-year award
2000	Merck/MIT Post-doctoral Fellowship, one-year award
2001	Martinos Center Fellow
1998	Scottish Rite Schizophrenia Research Program Dissertation Research Fellowship

RESEARCH SUPPORT (CURRENT or PENDING)

NIH RO1 MH074692	(L. Davachi PI)	2/24/12-12/31/16
Total direct awarded \$1,250,000		renewal under review
Differential contributions of medial temporal lobe structures to episodic memory		
BSF Research Grant #2013177	(L. Davachi co-PI)	10/1/14 – 9/30/18
Total awarded \$172,200		
Congruency and consolidation: linking post-encoding brain activity to schema-enhanced memory		
NSF NCS-FO 1631436	(L. Davachi co-PI)	9/1/2016 – 8/31/2019
Total awarded \$ 954,910.00		
Using computational cognitive neuroscience to predict and optimize memory		
NIH 1R01 MH112733-01	(L. Davachi co-PI)	under review
Hippocampal memory circuits in delusions		

Lila Davachi
VITA

RESEARCH SUPPORT (COMPLETED)

NIH R34MH100296-01 D-cycloserine Augmentation of Cognitive Behavioral Therapy for Delusions	(L. Davachi Consultant; D. Goff PI)	8/05/13 – 7/31/16
NIH RO1 MH074692 (01 – 05) Total awarded \$1,000,000 Differential contributions of medial temporal lobe structures to episodic memory	(L. Davachi PI)	1/1/07-12/31/11
Dart Neuroscience Grant Total awarded \$533,300 Behavioral and Neuroimaging Investigations of Human Long-Term Memory Consolidation	(L. Davachi PI)	10/1/08-10/01/14
Dart Neuroscience Grant Total awarded \$300,000 Behavioral and neuroimaging investigation of spaced training in Noonan syndrome	(L. Davachi PI)	9/1/10-12/01/14
Helicon Therapeutics Grant Distributed learning effects on relational long-term memory	(L. Davachi PI)	11/01/06-5/31/07
NSF Advance Research Challenge Grant Total awarded \$10,000 direct The use of implicit and explicit knowledge in memory judgments	(L. Davachi PI)	1/01/09-9/30/10

MANUSCRIPTS UNDER REVIEW (* denotes trainees)

Sols, I., Dubrow, S.* , **Davachi, L.** and Fuentemilla L (in revision) Event boundaries trigger rapid memory replay of the prior event to promote their representation in long-term memory. *Nature Neuroscience*

DuBrow, S.* and **Davachi, L.** (in revision) Distinct neural mechanisms for remembering when an event occurred. *Frontiers in Psychology*

Tubridy, S.* and **Davachi, L.** (in revision) Adaptive control of memory reactivation. *Cerebral Cortex*

Heusser, A.* , Ezzyat, Y.* and **Davachi, L.** (in revision) Context novelty cuts both ways: Memory for details occurring at perceptual boundaries is enhanced while temporal order memory across boundaries is impaired. *Journal of Experimental Psychology: Learning, Memory and Cognition*

MANUSCRIPTS PUBLISHED (* denotes trainees)

Tambini, A.* , Rimmele, U., Phelps, E.A. and Davachi L. (2017) Emotional brain-states persist and enhance future memory formation. *Nature Neuroscience*

Heusser, A.* , Poeppel, D. Ezzyat, Y.* and **Davachi, L.** (2016) Episodic sequence memory is supported by a theta-gamma phase code. *Nature Neuroscience*

Lila Davachi

VITA

Anuya Patil*, Vishnu P. Murty*, Joseph E. Dunsmoor, Elizabeth A. Phelps, Lila Davachi (2016) Reward retroactively enhances memory consolidation for related items. *Learning and Memory* 24(1):65-69

Eichenbaum H, Amaral DG, Buffalo EA, Buzsáki G, Cohen N, **Davachi L**, Frank L, Heckers S, Morris RG, Moser EI, Nadel L, O'Keefe J, Preston A, Ranganath C, Silva A, Witter M. Hippocampus at 25 *Hippocampus*. 2016 (10):1238-49

DuBrow, S.* and **Davachi, L.** (2016) Temporal binding within and across events. *Neurobiology of Learning and Memory* 134:107-14.

Danker, J. F. *, Tomparly, A.* and **Davachi, L.** (2016) Trial-by-trial hippocampal encoding activation predicts trial-by-trial reinstatement of cortical patterns of activity during subsequent retrieval. *Cerebral Cortex* epub ahead of print.

Hermans, E.J. · Kanen J.W., Tambini, A. *, Fernandez, G, **Davachi, L.** and Phelps, E.A. (2016) Post-learning reactivation of neural circuits supporting fear learning predicts long-term expression of fear. *Cerebral Cortex*, epub ahead of print.

Murty , V. Oriel FeldmanHall, O., Hunter, L.E, Phelps, E.A. and **Davachi, L.** (2016) Episodic memories predict adaptive decision-making in single shot learning, *JEP:General*. 145(5):548-58.

Murty, V. *, DuBrow, S.* and **Davachi, L.** (2015) The simple act of choosing influences declarative memory. *Journal of Neuroscience* 35:6255-64.

Tomparly, A. *, Duncan, K.* and **Davachi, L.** (2015) Consolidation of associative and item memory is related to post-encoding functional connectivity between the ventral tegmental area and different medial temporal lobe subregions during an unrelated task. *Journal of Neuroscience* 35 (19): 7326-31

Denny, B. *, Inhoff, M. *, Zerubavel, N. *, **Davachi, L.**, and Ochsner, K.N. (2015) Long-lasting effects of emotion regulation on amygdala response reflect enduring changes in the emotional value of stimuli, *Psychological Science* 26: 1377-88.

Alonso I., **Davachi L.**, Valabrègue R., Lambrecq V., Dupont S. & Samson S. (2016) Neural correlates of binding lyrics and melodies for the encoding of new songs. *Neuroimage* 127:333-45.

Schiller D., Eichenbaum H., Buffalo E.A., **Davachi L.** Foster D.J., Leutgeb S. & Ranganath C. (2015) Memory and Space: Towards an Understanding of the Cognitive Map. *Journal of Neuroscience* 35 (41): 13904-11.

Davachi, L. and DuBrow, S.* (2015) Temporal organization of human memory, *Trends in Cognitive Science*. 19(2):92-9

Dunsmoor, J.E. *, Murty, V. *, **Davachi, L.** and Phelps, E.A. (2015) Emotional learning selectively and retroactively strengthens episodic memories for related events, *Nature*. 520(7547):345-8

Yushkevich PA... **Davachi L.**... Tomparly A* et al (truncated author list, 48 authors total); for the Hippocampal Subfields Group (HSG). (2015) Quantitative comparison of 21 protocols for labeling hippocampal subfields and parahippocampal subregions in in vivo MRI: Towards a harmonized segmentation protocol, *Neuroimage*. 111:526-41

Lila Davachi
VITA

- Davachi, L. & Preston, A. (2014). The Medial Temporal Lobe and Memory. In M.S. Gazzaniga & G.R. Mangun (Eds.), *The Cognitive Neurosciences* (pp. 539-546). MIT Press.
- Dubrow, S.* and Davachi, L. (2014) Temporal memory is shaped by encoding stability and intervening item reactivation. *Journal of Neuroscience* 34(42);13998-4005.
- Duncan, K.* , Tompary, A.* and Davachi, L. (2014) Associative encoding and retrieval are predicted by functional connectivity in distinct hippocampal area CA1 pathways. *Journal of Neuroscience* 34(34): 1118-98.
- Markant, D., Dubrow, S.*, Davachi, L., Gureckis, T.M. (2014). Deconstructing the effect of self-directed study on episodic memory. *Memory and Cognition*. 42:1211-24. **Selected for 2014 Psychonomic Society award for best paper in Memory & Cognition**.
- Ezzyat, Y.* and Davachi, L. (2014) Similarity breeds proximity: Pattern similarity within and across contexts is related to later mnemonic judgments of temporal proximity. *Neuron* 81(5):1179-8.
- Davachi, L. & Danker, J.F. (2013). Cognitive Neuroscience of Episodic Memory. In K.N. Ochsner & S.M. Kosslyn (Eds.), *Oxford Handbook of Cognitive Neuroscience, Volume 1: Core Topics* (pp. 375-388). Oxford University Press
- Tambini, A.* and Davachi, L. (2013) Hippocampal multi-voxel encoding patterns persist into post-encoding rest. *Proceedings of the National Academy of Sciences* 110(48):19591-6
- Vilberg, K.* and Davachi, L. (2013) Perirhinal-hippocampal connectivity during reactivation is a marker for object-based memory consolidation. *Neuron* 79(6):1232-42
- Dubrow, S.* and Davachi, L. (2013) The influence of contextual boundaries on memory for the sequential order of events. *Journal of Experimental Psychology: General*. 142(4):1277-86.
- Heusser, A.* , Awipi, T.* and Davachi, L. (2013) Repetition-related modulation of the perirhinal cortex predicts conceptual priming. *Neuropsychologia*. 51(12):2333-43
- Davachi, L. & Danker, J. F.* (2013). The cognitive neuroscience of episodic memory. To appear in: K. N. Ochsner and S. M. Kosslyn (Eds). *The Handbook of Cognitive Neuroscience, Vol. I*. Oxford University Press, New York, NY.
- Duncan K.* , Sadanand A. and Davachi L. (2012) Memory's penumbra: episodic memory decisions induce lingering mnemonic biases. *Science*, 337(6093): 485-7.
- Rimmele, U.* , Davachi, L. and Phelps, E.A. (2012) Memory for time and place contributes to enhanced confidence in memories for emotional events. *Emotion*, 12(4):834-46
- Duncan, K.* , Ketz, N.,* Inati, S. and Davachi, L. (2012) Evidence for area CA1 as a match/mismatch detector: A high-resolution fMRI study of the human hippocampus. *Hippocampus*, 22(3):389-98.
- Staresina. B.* , Duncan, K.* and Davachi, L. (2011) Perirhinal and parahippocampal cortices differentially contribute to later recollection of object and scene context. *Journal of Neuroscience*, 31(24):8739-47.

Lila Davachi

VITA

Rimmele, U.* **Davachi, L.**, Dougal, S.,* Petrov, R. and Phelps, E.A. (2011) Emotion enhances the subjective feeling of remembering, despite impaired associative memory binding and lower memory accuracy for details. *Emotion*, 11(3); 553-62.

Ezzyat, Y.* and **Davachi, L.** (2011) What constitutes an 'episode' in episodic memory? *Psychological Science*, 22(2): 243-52.

Tubridy, S.* and **Davachi, L.** (2011) Medial Temporal Lobe Contributions to Episodic Sequence Encoding. *Cerebral Cortex*, 21(2):272-80.

Staresina, B.* and **Davachi L.** (2010) Object unitization and associative memory formation are supported by distinct brain regions. *Journal of Neuroscience*, 30:9890-7.

Devinsky, O., **Davachi, L.**, Staresina, B.,* Santchi, C and Thesen, T. (2010) Hyperfamiliarity for faces. *Neurology*, 74:970-4.

Tambini A.* , Ketz N.* and **Davachi L.** (2010) Enhanced brain correlations during rest are related to memory for recent experiences. *Neuron*. 65:280-290. (Video abstract link: <http://www.cell.com/neuron/abstract/S0896-6273%2810%2900006-1>)

Oztek, I.* , **Davachi, L.** and McElree, B. (2010) Are representations in working memory distinct from those in long-term memory? Neural evidence in support of a single store. *Psychological Science*. 21:1123-1133.

Olman, C., **Davachi, L.** and Inati, S (2009) Distortion and signal loss in medial temporal lobe. *PLoS One*, 4(12):e8160.

Staresina, B.* and **Davachi, L.** (2009) Mind the gap: Binding experiences across space and time in the human hippocampus. *Neuron*, 63:267-76.

Duncan, K.* , Curtis, C. and **Davachi, L.** (2009) Distinct memory signatures in the hippocampus: intentional states distinguish match and mismatch enhancement signals. *Journal of Neuroscience*, 29:131-139.

Litman, L.* , Awipi, T. and **Davachi, L.** (2009) Category-specificity in the human medial temporal lobe cortex. *Hippocampus*, 19:308-319.

Oztek, I.* , McElree, B., Staresina, B. and **Davachi, L.** (2009) Working memory retrieval: contributions of the left prefrontal cortex, the left posterior parietal cortex, and the hippocampus. *Journal of Cognitive Neuroscience*, 21:581-593.

Staresina, B.* , Gray, J.C.* , and **Davachi, L.** (2009) Event congruency enhances memory encoding through semantic elaboration and relational binding. *Cerebral Cortex*, 19:1198-1207.

Litman, L.* , and **Davachi, L.** (2008) Distributed learning enhances relational memory consolidation. *Learning and Memory*, 15:711-716.

Awipi, T.* and **Davachi, L.** (2008) Content-specific source encoding in the human medial temporal lobe. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 34:769-79.

Lila Davachi

VITA

- Curtis, C. and **Davachi, L.** (2008) Cognitive neuroscience: New kids on the block? *Nature Neuroscience* 11:621.
- Davachi, L.** and Dobbins, I.G. (2008) Declarative memory. *Current Directions in Psychological Science*, 17:112-118.
- Staresina, B.* and **Davachi, L.** (2008) Selective and shared functional contributions of medial temporal lobe subregions to encoding items, their features and their contexts. *Journal of Cognitive Neuroscience* 20:1-12.
- Hasson, U.*, Furman, O., Clark, D., Dudai, Y. and **Davachi, L.** (2008) Episodic memory formation under continuous real-life viewing conditions, *Neuron*, 57:452-462.
- Dougal, S.*, Phelps, E.A. and **Davachi, L.** (2007) The role of medial temporal lobe in item recognition and source recollection of emotional stimuli. *Cognitive, Affective and Behavioral Neuroscience*, 7:233-242.
- Furman, O.*, Dorfman, N., Hasson, U., **Davachi, L.** and Dudai, Y. (2007) They saw a movie: Long-term memory for an extended audiovisual narrative. *Learning and Memory*, 14:457-467.
- Davachi, L.** (2007) Encoding as a concept. In *Science of Memory: Concepts*. Eds: R. Roediger, Y. Dudai, and S. Fitzpatrick, New York: Oxford University Press.
- Davachi, L.** (2006) Item, context and relational episodic encoding in humans, *Current Opinion in Neurobiology*, 16: 693-700.
- Staresina, B.* and **Davachi, L.** (2006) Differential encoding mechanisms for subsequent associative recognition and free recall. *Journal of Neuroscience*, 6:9162-9172.
- Dobbins, I. and **Davachi, L.** (2005) Functional neuroimaging of episodic memory In *Handbook of functional neuroimaging of cognition*. Eds: R. Cabeza, Cambridge, MA: MIT Press.
- Davachi, L.** (2004) The ensemble that plays together, stays together, *Hippocampus*, 14:1-3.
- Kahn, I.*, **Davachi, L.** and Wagner, A.D. (2004) Functional-Neuroanatomic Correlates of Recollection: Implications for Models of Recognition Memory. *Journal of Neuroscience*, 24:4172-4180.
- Davachi, L.**, Romanski, L.M., Chafee, M.V. and Goldman-Rakic, P.S. (2004) Domain specificity in cognitive systems. In *The New Cognitive Neurosciences*. Ed: M.S. Gazzaniga, Cambridge, MA: MIT Press.
- Davachi, L.**, Mitchell, J.P. and Wagner, A.D. (2003) Multiple learning mechanisms: distinct medial temporal processes build item and source memories. *Proceedings of the National Academy of Sciences*, 100:2157-2162
- Davachi, L.** and Wagner, A.D. (2002) Hippocampal contributions to episodic encoding: insights from relational and item-based learning. *Journal of Neurophysiology*, 88:982-990.
- Davachi, L.**, Maril, A. and Wagner, A.D. (2001) When keeping in mind supports later bringing to mind: neural markers of phonological rehearsal predict subsequent remembering. *Journal of Cognitive Neuroscience*, 13:1059-1070.

Lila Davachi
VITA

Wagner, A.D. and Davachi, L. (2001) Cognitive neuroscience: Forgetting of things past. *Current Biology*, 11: R964-967.

Davachi, L. and Goldman-Rakic, P.S. (2001) Primate rhinal cortex participates in both visual recognition and working memory tasks: functional mapping with 2-DG. *Journal of Neurophysiology*, 85:2590-2601.

Sybirska, E., Davachi, L. and Goldman-Rakic, P.S. (2000) Prominence of direct entorhinal-CA1 pathway activation by cognitive tasks revealed by 2-DG functional mapping in the nonhuman primate. *Journal of Neuroscience*, 20:5827-5834.

Levy, R., Friedman, H.R., Davachi, L. and Goldman-Rakic, P.S. (1997) Differential activation of the caudate nucleus in primates performing spatial and nonspatial working memory tasks. *Journal of Neuroscience*, 17:3870-3882.

Rangarajan, A., Chui, H., Mjolsness, E., Pappu, S., Davachi, L., Goldman-Rakic P.S. and Duncan, J. (1996/7) A robust point-matching algorithm for autoradiographic alignment. *Medical Image Analysis*, 1:379-398.

Carden, S.E., Davachi, L. and Hofer, M.A. (1994) U50-488 increases ultrasonic vocalizations in 3-, 10-, and 18-day old rat pups in isolation and the home cage. *Developmental Psychobiology*, 27:65-83.

PUBLISHED ABSTRACTS AND PRESENTATIONS (up to April 2014)

Murty, V.P.*, DuBrow, S.*, and Davachi, L. (2014) The intersection of choice, preference and memory: the act of choosing influences declarative memory encoding. Cognitive Neuroscience Society, Boston, MA.

Heusser, A.C.*, Ezzyat, Y.*, and Davachi, L. (2014) The impact of perceptual event boundaries on memory-related neural oscillations. Cognitive Neuroscience Society, Boston, MA.

Heusser, A.C.*, Ezzyat, Y.*, Shiff, I.*, and Davachi, L. (2013) The impact of perceptual event boundaries on memory-related neural oscillations. Society for Neuroscience, San Diego, CA.

Tambini, A.*, and Davachi, L. (2013) Category selectivity of occipito-temporal voxels is related to resting state connectivity. Society for Neuroscience, San Diego, CA.

Tomparry, A.*, Duncan, K.*, and Davachi, L. (2013) High-resolution investigation of trial-level similarity in hippocampal subfields and MTL cortex. Society for Neuroscience, San Diego, CA.

Murty, V.P.*, DuBrow, S.*, and Davachi, L. (2013) The simple act of choosing influences declarative memory encoding. Society for Neuroscience, San Diego, CA.

Heusser, A.C.*, Ezzyat, Y.*, Shiff, L.*, and Davachi, L. (2013) Perceptual shifts in context disrupt temporal order memory but facilitate item-feature binding. Manhattan Area Memory Meeting, New York, NY.

DuBrow, S.*, and Davachi, L. (2013) The role of event context in temporal order memory. Manhattan Area Memory Meeting, New York, NY.

Lila Davachi

VITA

Murty, V.P. *, DuBrow, S.* , and **Davachi, L.** (2013) The simple act of choosing influences declarative memory encoding. Manhattan Area Memory Meeting, New York, NY.

DuBrow, S.* and **Davachi, L.** (2013) fMRI pattern similarity across boundaries predicts temporal order memory. Context and Episodic Memory Symposium, Philadelphia, PA.

Heusser, A.C.* , Ezzyat, Y.* , Shiff, I.* , and **Davachi, L.** (2013) Perceptual shifts in context disrupt associative but facilitate source memory retrieval. Context and Episodic Memory Symposium, Philadelphia, PA.

Ezzyat, Y.* , and **Davachi, L.** (2013) Neural mechanisms supporting the temporal organization of episodic long-term memory. Context and Episodic Memory Symposium, Philadelphia, PA.

Holland, A.C.* , Doré, B.* , **Davachi, L.**, and Ochsner, KN. (2013) The Durability of Cognitive Reappraisal Applied to Autobiographical Memories. Social and Affective Neuroscience Society, San Francisco, CA.

DuBrow, S.* , and **Davachi, L.** (2013). Hippocampal patterns predict temporal order memory. Poster presented at the 20th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Tambini, A.* , Rimmele, U.* , Bar-David, E., Phelps, E.A., and **Davachi, L.** (2013) Modulation of resting correlations following encoding of neutral and emotional complex scenes. Cognitive Neuroscience Society, San Francisco, CA.

Tubridy, S.* , Apple, A., and **Davachi, L.** (2013). Assessing the timing of memory reactivation using MEG. Cognitive Neuroscience Society, San Francisco, CA.

Tompary, A.* , Duncan, K.* , and **Davachi, L.** (2013) What counts as 'rest'? low-frequency correlations within the medial temporal lobe during an unrelated task predict memory. Cognitive Neuroscience Society, San Francisco, CA.

DuBrow, S.* and **Davachi, L.** (2012). Modulation of temporal order memory by contextual boundaries: A behavioral and neuroimaging investigation. Society for Neuroscience, New Orleans, LA.

Heusser, A.C.* , Tubridy, S.* , and **Davachi, L.** (2012) Conceptual processing carries traces of recent past: Modality-specific reactivation of prior experience. Society for Neuroscience, New Orleans, LA.

Inhoff, M.C.* , Heusser, A.C.* , Tambini, A.* , Martin, C.B., O'Neil, E.B., Kohler, S., Vazquez, B., Devinsky, O., and **Davachi, L.** (2012) Material-specific associative memory and perceptual deficits in a patient with a right perirhinal cyst. Society for Neuroscience, New Orleans, LA.

Tubridy, S.* , Heusser, A.C.* , and **Davachi, L.** (2012) Temporal profiles of episodic reactivation: An MEG study. Society for Neuroscience, New Orleans, LA

Tambini, A.* , Thesen, T., Carlson, C., Doyle, W., Devinsky, O., and **Davachi, L.** (2012) Modulation of post-encoding resting activity using intracranial EEG. Society for Neuroscience, New Orleans, LA.

Hermans, E.J., Kanen, J.W., Tambini, A.* , Fernandez, G., **Davachi, L.**, and Phelps, E.A. (2012) Fear memory consolidation: Spontaneous reactivation of experience-specific activation patterns within the human amygdala. Society for Neuroscience, New Orleans, LA.

Lila Davachi

VITA

Denny, B.T.* , Inhoff, M.C.* , Zerubavel, N.* , **Davachi, L.**, and Ochsner, K.N. (2012) What determines whether the effects of emotion regulation will last? Society for Neuroscience, New Orleans, LA.

Danker, J.F.* and **Davachi, L.** (2012) Trial-by-trial hippocampal encoding activation is correlated with trial-by-trial reinstatement of cortical patterns of activity during successful retrieval. Society for Neuroscience, New Orleans, LA.

Ezzyat, Y* and **Davachi, L.** (2012). Linking representations across time: shared representational context as a mechanism for organization in episodic memory. Society for Neuroscience, New Orleans, LA.

Heusser, A.C.* , Awipi, T.* and **Davachi, L.** (2012). Imaging Cross-modal Repetition Suppression Effects in the Human Temporal Lobe. Cognitive Neuroscience Society Meeting 2012, Chicago, IL.

Danker, J.* and **Davachi, L.** (2012) Hippocampal activity during encoding predicts graded levels of reactivation during subsequent associative retrieval. Cognitive Neuroscience Society Meeting 2012, Chicago, IL.

Tambini, A.* , Thesen, T., Carlson, C., Doyle, W., Devinsky, O., and **Davachi, L.** (2012) Investigations of episodic encoding and post-encoding resting activity using intracranial EEG. Cognitive Neuroscience Society Meeting 2012, Chicago, IL.

Tambini, A.* , Rimmele, U.* , Bar-David, E., Phelps, E.A., and **Davachi, L.** (2011) Modulation of resting correlations following encoding of neutral and emotional complex scenes. Society for Neuroscience, Washington DC.

Ezzyat, Y.* and **Davachi, L.** (2011). Neural mechanisms supporting the temporal organization of episodic long-term memory. Society for Neuroscience, Washington DC.

Tubridy, S.* and **Davachi, L.** (2011). Targeted memory: Tracking cortical reactivation of task relevant and irrelevant associations. Society for Neuroscience, Washington DC.

Duncan, K.* and **Davachi, L.** (2011) "High-resolution fMRI measurements of hippocampal and medial temporal lobe subregion interactions during episodic memory formation and retrieval." Cognitive Neuroscience Society Meeting 2011, San Francisco, CA.

Vilberg, K.L.* and **Davachi, L.** (2010) An investigation of interference effects on associative memory consolidation. Society for Neuroscience, San Diego, CA.

Duncan, K.* and **Davachi, L.** (2010) Carry-over effects provide evidence for pattern separation and completion biases. Society for Neuroscience, San Diego, CA.

Tubridy, S.* and **Davachi, L.** (2010) Cortical reactivation and strategic retrieval. Society for Neuroscience, San Diego, CA.

Tambini, A.* and **Davachi, L.** (2010) Persistence of patterns of activity across hippocampal voxels during post-encoding awake rest. Talk delivered at the 40th annual meeting of the Society for Neuroscience, San Diego CA.

Duncan, K.* , Staresina B.P.* and **Davachi, L.** (2010) Temporal Dynamics of blood-oxygen-level dependent (BOLD) responses in the medial temporal lobe during associative encoding. Cognitive Neuroscience Society Meeting 2010, Montreal, CA.

Lila Davachi
VITA

Staresina, B.P.*, Duncan, K.* and **Davachi, L.** (2010) Domain specificity in medial temporal lobe cortex during episodic memory formation. Cognitive Neuroscience Society Meeting 2010, Montreal, CA.

Tambini, A.* and **Davachi, L.** (2010) Rest: A Chance to Reactivate and Consolidate. Talk delivered at the Eighteenth Annual Dynamical Neuroscience Satellite Symposium: The Resting Brain: Not At Rest!

Duncan, K.*, Ketz, N.* and **Davachi, L.** (2009) Match/mismatch calculations in the human hippocampus: A high-resolution fMRI study. Society for Neuroscience, Chicago, IL.

Tambini, A.*, Ketz, N.* and **Davachi, L.** (2009) Brain activity during rest changes with and predicts memory for recent experiences. Society for Neuroscience, Chicago, IL.

Ezzyat, Y.* and **Davachi, L.** (2009) Event perception influences the organization of long-term memory. Society for Neuroscience, Chicago, IL.

Staresina, B.P.* and **Davachi, L.** (2009) Contributions of the perirhinal cortex to associative memory formation. Cognitive Neuroscience Society Meeting 2009, San Francisco, CA.

Duncan, K.*, Ketz, N.* and **Davachi, L.** (2009) Match and mismatch signals: A high-resolution fMRI study of the human hippocampus. Cognitive Neuroscience Society Meeting 2009, San Francisco, CA.

Ezzyat, Y.* and **Davachi, L.** (2009) Event perception influences the organization of long-term memory. Cognitive Neuroscience Society Meeting 2009, San Francisco, CA., Slide presentation.

Tubridy, S.M.*, Schmer-Galunder, S.*, Schwartz, E.L.*, Suzuki, W.A. and **Davachi, L.** (2008) Flexible declarative memory for social and object relations. Society for Neuroscience, Washington DC.

Litman, L.* and **Davachi, L.** (2008) Rest and reactivation: Changes in hippocampal subsequent memory effects and connectivity may underlie declarative memory consolidation. Society for Neuroscience, Washington DC.

Duncan, K.*, Ketz, N.* and **Davachi, L.** (2008) Match and mismatch signals: A high-resolution fMRI study of the human hippocampus. Society for Neuroscience, Washington DC.

Staresina, B.P.*, Gray, J.C.* and **Davachi, L.** (2008) Mind the Gap: Associative Binding in the Medial Temporal Lobe. Society for Neuroscience, Washington DC.

Awipi, T.* and **Davachi, L.** (2008) Understanding conceptual representation through cross-modal repetition. Society for Neuroscience, Washington DC.

Tubridy, S.*, Schmer-Galunder, S.*, Suzuki, W.A. and **Davachi, L.** (2008) Neural substrates for social transitive inference. Cognitive Neuroscience Society Meeting 2008.

Ezzyat, Y.* and **Davachi, L.** (2008) The influence of event perception on long-term memory formation. Cognitive Neuroscience Society Meeting 2008.

Duncan, K.* and **Davachi, L.** (2008) Relational 'match' and 'mismatch' signals in the human hippocampus are differentially modulated by active maintenance and perceptual novelty. Cognitive Neuroscience Society Meeting 2008.

Lila Davachi

VITA

Staresina, B.* , Thesen, T., Carlson, C., Devinsky, O. and **Davachi, L.** (2008) Functional dynamics of successful encoding and retrieval in the human MTL revealed using intracranial EEG recordings. Cognitive Neuroscience Society Meeting 2008.

Duncan, K.* and **Davachi, L.** (2007) Relational 'match' and 'mismatch' signals in the human hippocampus. Society for Neuroscience Annual Meeting.

McElree, B., Oztekin, I.* , Staresina, B.* and **Davachi, L.** (2007) The role of the hippocampus and LIFGs in working memory retrieval. Psychonomics Society Annual Meeting.

Litman, L.* and **Davachi, L.** (2007) When less means more: Hippocampal repetition suppression is correlated with the stability of relational memory. Society for Neuroscience Annual Meeting.

Staresina, B.* and **Davachi, L.** (2007) The beneficial effect of affirmative responses on episodic memory encoding. Cognitive Neuroscience Society Meeting 2007.

Oztekin, I.* , McElree, B., Staresina, B.* and **Davachi, L.** (2006) Isolating focal attention from working memory representations: Converging neuroimaging evidence from two working memory paradigms. Society for Neuroscience Abstracts, 32.

Staresina, B.* and **Davachi, L.** (2006) Neural correlates of intra-item and contextual associative memory formation. Society for Neuroscience Abstracts, 32.

Litman, L.* , Awipi, T.* and **Davachi, L.** (2006) Functional specificity for objects within the human perirhinal cortex. Society for Neuroscience Abstracts, 32.

Davachi, L. (2006) Episodic relational binding and the medial temporal lobe. Thirteenth Annual Meeting of the Cognitive Neuroscience Society

Litman, L.* and **Davachi, L.** (2006) Exploring the effect of repetition and distributed learning on the consolidation of relational memory. Thirteenth Annual Meeting of the Cognitive Neuroscience Society

Awipi, T.* and **Davachi, L.** (2006) Are all recollections created equal? Encoding activation associated with later recollection of objects. Thirteenth Annual Meeting of the Cognitive Neuroscience Society

Davachi, L. and Tubridy, S.* (2005) Episodic encoding of sequence information. Society for Neuroscience Abstracts, 31

Staresina, B.* and **Davachi, L.** (2005) Differential brain activity for subsequent recognition and free recall. Society for Neuroscience Abstracts, 31.

Dougal, S.* , Phelps, E.A. and **Davachi, L.** (2004) The role of medial temporal lobe structures in emotional modulation of recognition processes. Society for Neuroscience Abstracts, 30.

Davachi, L., Lo, J. and Wagner, A.D. (2003) Episodic memory and the human medial temporal lobe: Encoding Mechanisms that Support Recollection and Familiarity. Society for Neuroscience Abstracts, 29.

Gonsalves, B., **Davachi, L.**, Norman, K.A., Curran, T. and Wagner, A.D. (2003) Neural correlates of recollection and familiarity-based recognition memory for faces. Annual Meeting of the Memory Disorders Research Society.

Lila Davachi
VITA

Gonsalves, B., **Davachi, L.**, Norman, K.A., Curran, T. and Wagner, A.D. (2003) Neural correlates of recollection and familiarity-based recognition memory for faces. Tenth Annual Meeting of the Cognitive Neuroscience Society Meeting.

Kahn, I., **Davachi, L.** and Wagner, A.D. (2002) Remember the source: Identifying the spatiotemporal correlates of retrieval with and without recollection. Society for Neuroscience Abstracts, 28.

Davachi, L. and Wagner, A. D. (2002). The medial-temporal lobe and transient representations: fMRI evidence for a role in short-term configural memory. Society for Neuroscience Abstracts, 28.

Davachi, L., Prather, R. and Wagner, A.D. (2002). Integration cost: fractionating configural representations in working memory. Ninth Annual Cognitive Neuroscience Society Meeting.

Davachi, L., Mitchell, J.P., Schacter, D.L. and Wagner, A.D. (2001). Neural bases of associative encoding: predicting subsequent memory for source. Human Brain Mapping.

Davachi, L., Mitchell, J.P., Schacter, D.L. and Wagner, A.D. (2001). Remember the source: encoding processes that support subsequent memory with and without recollection. Society for Neuroscience Abstracts, 27.

Wagner, A. D., Kahn, I. and **Davachi, L.** (2001). Remember the source: Neural correlates of retrieval with and without recollection. Society for Neuroscience Abstracts, 27.

Davachi, L., Mitchell, J.P., Kurnick, R.A., Schacter, D.L. and Wagner, A.D. (2001). Neural basis of associative encoding: medial temporal and prefrontal regions predict subsequent memory for source. Eighth Annual Cognitive Neuroscience Society Meeting.

Davachi, L., Maril, A. and Wagner, A.D. (2000). Activations of prefrontal regions associated with distinct control processes predict subsequent memory. Society for Neuroscience Abstracts, 26.

Davachi, L., Walfish, D.R., and Goldman-Rakic, P.S. (1998). Monkeys performing delayed match to sample do not exhibit elevated glucose utilization in the rhinal cortices. Society for Neuroscience Abstracts, 24.

Davachi, L., Friedman, H.R., and Goldman-Rakic, P.S. (1995). Increased metabolic activity in the entorhinal and perirhinal cortices and subiculum in monkeys performing working memory as revealed by the 2-deoxyglucose method. Society for Neuroscience Abstracts, 21.

Carden, S., **Davachi, L.** and Hofer, M.A. (1993). The effects of U50-488 on ultrasonic vocalizations in rat pups. College on Problems of Drug Dependence Annual Scientific Meeting.

Davachi, L., Williams, C.L., Hinton, S.C. and Meck, W.H. (1992). Photoperiodic regulation of testis size and spatial memory function in the albino rat: organizational versus activational effects. Society for Neuroscience Abstracts, 18.

Remez, R.E., Berns, S.M., Nutter, J.S., Lang, J.M. and **Davachi, L.** (1991). On the perceptual differentiation of spontaneous and prepared speech. 121st meeting of Acoustical Society of America.

Lila Davachi
VITA

INVITED COLLOQUIA AND CONFERENCE TALKS/SYMPOSIA

- 2016 Mt Sinai Neuroscience Colloquium, Invited Speaker, New York, NY.
Cognitive Neuroscience Annual Meeting, Invited Symposium Organizer, NY, NY.
UMass Amherst Behavior and Neuroscience Program Colloquium Speaker, Amherst MA.
Hippocampus 25, Meeting to celebrate 25 years of the journal Hippocampus, Invited Speaker, Boston University, Boston MA
Nathan Kline Institute, Invited Seminar Speaker, Orangeburg, NY.
International Conference of Memory (ICOM), Keynote Speaker, Budapest, Hungary.
- 2015 UC San Diego, Neuroscience Series Seminar Invited Speaker, San Diego CA.
NYU Bi-Annual Memory Meeting Organizer and Speaker, New York, N.Y.
City University of New York (CUNY): Behavioral and Cognitive Neuroscience Invited Colloquium Speaker, New York, N.Y.
Hospital for Sick Children, Bi-Annual Symposium on Memory, Invited Speaker, Toronto CA.
The Annual Meeting for the Society for Neuroscience, Symposium Speaker, Chicago IL.
Columbia University, Dept. of Psychology, Invited Colloquium Speaker, New York, NY.
- 2014 The Annual Baycrest Rotman Research Institute Neuroscience Conference, Invited Speaker, Rotman Institute, Toronto, CA
Pint of Science, Invited Speaker, Brooklyn, N.Y.
Frontiers in Brain and Cognition Invited Speaker, New York University
Memory Disorders Research Society, Conference Speaker, Austin TX.
Cornell University, Invited Colloquia, Ithaca, NY.
Columbia University Medical Center, Neuroscience Invited Colloquia, New York, NY.
Neuroleadership Annual Summit Invited Speaker, San Francisco, CA.
- 2013 Columbia University, Teachers College, Neuroscience and Education Invited Speaker, NY, NY
Columbia University, Psychology Department, Invited Colloquia, New York, NY.
NSF Workshop on Learning Centers, Invited Contributor and Speaker, Washington D.C.
Rubin Museum, Invited Speaker, Art and Neuroscience Series, New York, NY.
NYU Memory Day, NYU, Organizer and Speaker, New York, NY.
Cognitive Neuroscience Society, Annual Meeting, Invited Speaker, San Francisco, CA.
NYU-Langone Medical Center Grand Rounds Invited Speaker, New York, NY.
NYU Alzheimer's Disease Center, Invited Colloquium Speaker, New York, NY.
Georgetown University, Invited Colloquium Speaker, Washington D.C.
Johns Hopkins University, Invited Colloquium Speaker, Baltimore, MD.
- 2012 Yale University, Psychology Department, Cognitive Lunch Invited Speaker, New Haven, CT.
Memory Disorders Research Society, Invited Symposium Speaker, Davis, CA.
Rutgers University Neuroscience Department, Invited Colloquia, Newark, NJ.
New York University, Psychology Department, Social Lunch Invited Speaker, New York, NY.
Summer Institute in Cognitive Neuroscience, Invited Speaker, UC Santa Barbara, CA.
Sage Center for the Mind, Visiting Scholars, Santa Barbara, CA.
Princeton University, Decision Making Speaker Series, Princeton, NJ.
- 2011 UC Irvine, CNLM Seminar, Irvine, CA.
Context and Episodic Memory Conference, Invited Commentator, Philadelphia, PA.

Lila Davachi

VITA

Boston University, Charles Area River Meeting on Memory, Invited Colloquia, Boston, MA.
"Brain, Memory & Achievement" Conference, Invited Speaker, New York, NY.

- 2010
Columbia University, University Seminar, New York, NY.
MIT, Brain and Cognitive Sciences Departmental Colloquium, Cambridge, MA.
Yale University, Psychology Departmental Colloquium, New Haven, CT.
Cognitive Neuroscience Society, Young Investigator Award Lecture, Montreal, CA.
Neuron to Synapse Conference, Invited Speaker, New York, NY.
Global Neuroleadership Summit, Invited Speaker, Boston, MA.
Memory Disorders Research Society, Conference Speaker, Chicago, IL.
Dynamical Systems Neuroscience Satellite Symposium, Invited Speaker, San Diego, CA.
- 2009
Schwartz Foundation Invited Speaker for Banbury Center Meeting 'Searching For Principles Underlying Memory in Biological Systems, Lloyd Harbor, NY.
Columbia University, Psychology Department, New York, NY.
Psychonomics Society Meeting, Symposium Speaker, Boston, MA
New York University, Psychology Department Seminar Speaker, New York, NY.
- 2008
Duke University, Psychology Department Colloquium, Durham, NC.
Yale University, Magnetic Resonance Research Center, New Haven, CT.
Global Neuroleadership Summit, New York, NY.
AAAS Judicial Seminar on Neuroscience, New York, NY.
University of Arizona, Psychology Department Colloquium Series, Tucson, AZ.
Memory Disorders Research Society, Symposium Chair and Speaker, St. Louis, MO.
Winter Conference Neurobiology of Learning and Memory, Symposium Chair, Park City, UT.
Day of Memory at NYU: New Developments in Memory Storage, New York, NY.
New York University, School of Medicine Retreat, New Paltz, NY.
- 2007
Winter Conference on Neural Plasticity, Moorea, French Polynesia.
University of British Columbia, Psychology Department, Vancouver, BC.
Cognition, Brain and Behavior Speaker Series, Psychology Department, Berkeley, CA.
Stanford University, Psychology Department, Palo Alto, CA.
- 2006
Cognitive Neuroscience Society, Invited Symposium Speaker, San Francisco, CA.
Association for Psychological Science 18th Annual Convention, Co-Chair and Symposium Speaker, New York, NY.
Neuroimaging and Psychological Theories Human Memory, Invited Speaker, Marburg, Germany.
Queens College and The Graduate Center, Seminar Series, Queens, NY.
- 2005
McDonnell Foundation, Invited 'Integrator' for Science of Memory: Concepts
Yale University, Imaging Center, New Haven, CT.
Memory Disorders Research Society, Invited Symposium Speaker, Tucson, AZ.
New York University, Neurology Department, New York, NY.
First Year Seminar Series, New York University, Psychology Dept. New York, NY.
- 2004
Boston University, Mind and Brain Institute, Boston, MA.
Chicago Chapter of the Society for Neuroscience, Chicago, IL.
Columbia University, Psychology Department, New York, NY.
Sackler Institute, Research Forum, New York, NY.

Lila Davachi

VITA

Liverpool Memory Symposium, Liverpool UK.

Institute of Cognitive Neuroscience, University College London, London UK.

- 2003 Cold Spring Harbor Memory Learning and Memory meeting, Cold Spring Harbor, NY.
Carnegie-Mellon University, CNBC Seminar, Pittsburgh, PA.
University of Pittsburgh, LRDC and Department of Psychology, Pittsburgh, PA.
Caltech, Humanities and Social Sciences, Ulric B. and Evelyn L. Bray Seminar, Pasadena, CA.
MIT, Brain and Cognitive Sciences, Cambridge, MA.
University of California at Davis, Psychology Department, Davis, CA.
University of Oregon, Psychology Department, Eugene, OR.
University of Washington, Psychology Department, Seattle, WA.
New York University, Psychology Department, New York, NY.
University of Illinois, Urbana-Champaign, Psychology Department, Urbana-Champaign, IL.
- 2002 Harvard University, Department of Psychology, Cambridge, MA.
- 2001 Memory Disorders Clinic, Brigham and Women's Hospital, Boston, MA.
MIT, Brain and Cognitive Sciences, Cambridge, MA.

PROFESSIONAL MEMBERSHIPS

- 2007 - Association for Psychological Science
2004- Memory Disorders Research Society
1993- Society for Neuroscience
1999- Cognitive Neuroscience Society

EDITORIAL ACTIVITIES

- 2016 – present Reviewing Editor for Journal of Neuroscience
2015 - present Reviewing Editor for Elife
2014 – present Editor for eNeuro, online journal sponsored by the Society for Neuroscience
2014 – 2016 Associate Editor for Journal of Neuroscience

Reviewer for:

- | | |
|-----------------------------------|---|
| Nature Neuroscience | Science |
| PNAS | Trends in Cognitive Sciences |
| Neuron | NeuroImage |
| Journal of Neuroscience | Neuroscience Letters |
| Journal of Cognitive Neuroscience | Cognitive and Affective Behavioral Neuroscience |
| Neuropsychologia | Cerebral Cortex |
| Cognitive Brain Research | Psychological Science |
| Journal of Neurophysiology | Learning and Memory |
| Hippocampus | Frontiers in Neuroscience |

UNIVERSITY AND DEPARTMENTAL SERVICE

Lila Davachi

VITA

- 2012 - Director, Center for Learning, Memory and Emotion at New York University
- 2013 - 2014 Social Psychology Faculty Search Committee
- 2012 - 2014 Advisory Committee, Psychology Department
- 2011 - 2012 Cognition and Perception Seminar Co-Organizer, Psychology Department
- 2011 - 2012 Cognition and Perception Chair of Faculty Search Committee, Psychology Department
- 2010 - 2011 NYU Abu Dhabi Psychology Faculty Committee
- 2008 - 2009 NYU Abu Dhabi Science Curriculum Development Committee
- 2008 - 2009 Learning and Memory Faculty Search Committee, Center for Neural Science, NYU
- 2005 - 2007 Education Policy Committee New York University Psychology Department
- 2005 - 2006 Decision Making Faculty Search Committee, Department of Psychology and Center for Neural Science, New York University

SERVICE TO THE FIELD

- 2016 - Reviewing Editor for Journal of Neuroscience
- 2005 - Reviewing Editor for Elife
- 2014 - Associate Editor for eNeuro, online journal supported by the Society for Neuroscience
- 2014 - Associate Editor for the Journal of Neuroscience
- 2013- Manhattan Area Memory Meeting (MAMM) Founder and Organizer
- 2011 - 2014 Panel Member on Learning and Memory (LAM) Study Section Grant Review Panel for NIH

CURRENT GRADUATE STUDENTS

- 2017 - pres Perri Lane Katzman, 1st year Ph.D. student, degree expected 2022
* NSF Graduate Research Fellowship 2017-2020
- 2016 - pres Oded Bein, 2nd year Ph.D. student, degree expected 2021
- 2016 - pres Darren Yi, 2nd year Ph.D. student, degree expected 2021
- 2016 - pres Abraham Chanales, 3rd year Ph.D. student, degree expected 2019
- 2013 - pres Emily Cowan, 5th year Ph.D. student, degree expected 2017
* NSF Graduate Research Fellowship 2014-2017
- 2012 - pres Alexa Tomparry, 5th year Ph.D. student, degree expected 2017
* NSF Graduate Research Fellowship 2013-2016

PAST GRADUATE STUDENTS

- 2011 - 2016 Andrew Heusser, Ph.D. currently a postdoctoral researcher with Dr. Manning (Dartmouth)
- 2010 - 2015 Sarah Dubrow, Ph.D. student, currently a postdoctoral researcher with Drs. Niv and Norman (Princeton)
* NSF Graduate Research Fellowship 2011-2014
* James Arthur Dissertation Fellowship 2015-2016
- 2007 - 2014 Youssef Ezzyat, Ph.D.; currently a postdoctoral researcher with Dr. Kahana (UPenn)
* 2014 Douglas and Katharine Fryer Thesis Fellowship, NYU
* 2012 American Psychological Association Dissertation Research Award
* 2011 Katzell Summer Fellowship in Psychology, NYU
- 2007 - 2014 Shannon Tubridy, Ph.D.; currently a postdoctoral researcher with Dr. Gureckis (NYU)
- 2006 - 2011 Katherine Duncan, Ph.D.; currently a postdoctoral researcher with Dr. Shohamy (Columbia University) and starting as Assistant Professor at the University of Toronto in 2015.
- 2008 - 2013 Arielle Tambini Ph.D.; currently a postdoctoral researcher with Dr. D'Esposito and Dr. Walker, (University of California at Berkeley).

Lila Davachi

VITA

* NRSA Predoctoral Fellowship, F31MH92055

2005 – 2009 Tarimotimi Awipi, Ph.D.; currently a postdoctoral researcher at Donders Institute for Brain, Cognition and Behaviour with Dr. Fernandez.

2004 – 2009 Bernhard Staresina, Ph.D.; degree received 2009, currently a Wellcome Fellow and starting an assistant professor position in University of Birmingham UK.

* 2008: American Psychological Association (APA) Dissertation Research Award

* 2008: Martin Braine Fellowship, New York University

* 2007: Katzell Summer Fellowship, New York University

POSTDOCTORAL RESEARCHERS (current and past)

2017 – pres David Clewett, Postdoctoral Researcher

2013 – pres Lynn Lohnas, Postdoctoral Researcher

* Post-doctoral National Research Service Award (NIMH)

2012 – 2015 Vishnu Murty, Postdoctoral Researcher, currently faculty at University of Pittsburgh

* Post-doctoral National Research Service Award (NIDA)

2012 – 2014 Alisha Holland, Postdoctoral Researcher, currently Faculty at Teachers College, Columbia University

2010 – 2014 Jared Danker, Postdoctoral Researcher, currently at the Department of Education

* Postdoctoral National Research Service Award (NIMH)

2005 - 2008 Leonid Litman, Postdoctoral Researcher; currently Assistant Professor, Department of Psychology, Lander College.

2009 - 2011 Kaia Vilberg, Postdoctoral Researcher; currently in a postdoctoral position with Dr. Michael Rugg, UT Dallas

TEACHING

Human Neuroanatomy, Graduate Core Course

Learning and Memory, Graduate Core Course

Behavioral and Cognitive Neuroscience, Graduate Core Course

Introduction to Cognitive Neuroscience, Undergraduate Psychology Core Course

Advanced Seminar in Human Memory, Undergraduate Psychology Advanced Elective

Psychology Honors Course, Undergraduate Psychology Advanced Elective

Current Debates in Learning and Memory, Graduate Psychology Seminar