

Nicole M. Long, Ph.D.
University of Oregon
Department of Psychology

Education

- 2010 - 2015 University of Pennsylvania, Philadelphia
Ph.D. Psychology
Advisor: Michael Kahana
- 2005 - 2008 New York University, New York
B.A. Psychology, High Honors, Summa Cum Laude
Advisor: Lila Davachi

Academic Positions and Research Experience

- 2015 - present Post-doctoral research associate
University of Oregon, Department of Psychology
Advisor: Brice Kuhl
- 2008 - 2010 Research Assistant/Lab Manager
Brown University, Department of Cognitive & Linguistic Sciences
Advisor: David Badre
- 2007 - 2008 Undergraduate Research Assistant
Advisors: Lila Davachi, Bernhard Staresina

Teaching Experience

- Spring 2012 Teaching Assistant
Cognitive Neuroscience (PSYC-121)
Course Instructor: Russell Epstein
- Fall 2011 Teaching Assistant
Learning (PSYC-149)
Course Instructor: Robert Rescorla

Honors and Awards

- 2010 NIH Computational Neuroscience Training Grant
- 2008 NYU Undergraduate Research Conference poster winner
- 2008 Awarded membership to Phi Beta Kappa Society

Publications

Long, N. M. and Kahana, M. J. (2015) Successful memory formation is driven by contextual encoding in the core memory network. *NeuroImage* 119, 332-337, doi:10.1016/j.neuroimage.2015.06.073

Long, N. M., Danoff, M. S., and Kahana, M. J. Recall dynamics reveal the retrieval of emotional context. *Psychonomic Bulletin and Review*. In press.

Badre, D., Lebrecht, S., Pagliaccio, D., **Long, N. M.**, and Scimeca, J. M. (2014). Ventral striatum and the evaluation of memory retrieval strategies. *Journal of Cognitive Neuroscience* 26:9, 1928-1948, doi:10.1162/jocn_a_00596

Long, N. M., John F. Burke, and Michael J. Kahana (2014). Subsequent memory effect in intracranial and scalp EEG. *NeuroImage* 84, 488-494, doi:10.1016/j.neuroimage.2013.08.052

Burke, J. F., **Long, N. M.**, Zaghoul, K. A., Sharan, A. D., Sperling, M. R., and Kahana, M. J (2013). Human intracranial high-frequency activity maps episodic memory formation in space and time. *NeuroImage*, doi: 10.1016/j.neuroimage.2013.06.067

Badre, D., Doll, B. B., **Long, N. M.**, and Frank, M. J. (2012). Rostrolateral prefrontal cortex and individual differences in uncertainty-driven exploration. *Neuron*, 73, 595-607.

Kang, H., Ombao, H., Linkletter, C., **Long, N.M.**, and Badre, D. (2012). Spatiospectral mixed effects model for functional Magnetic Resonance Imaging data. *Journal of the American Statistical Association*, 107(498), 568-577.

Long, N.M., Öztekin, I., Badre, D. (2010) Separable prefrontal cortex contributions to free recall. *Journal of Neuroscience*, 30, 10967-10976.

Öztekin, I., **Long, N.M.**, Badre, D. (2010) Optimizing design efficiency of free recall events for fMRI. *Journal of Cognitive Neuroscience*, 22, 2238-2250.

Proceedings

Long, N. M., Kahana, M. J. (May, 2015) Contextual encoding mechanisms in hippocampus and left lateral cortex support successful memory formation. Data blitz at Context and Episodic Memory Symposium meeting.

Long, N. M., Kahana, M. J. (November, 2014) Spectral correlates of contextual processing during memory encoding. Presented at the 44th Society for Neuroscience meeting.

Long, N. M., Kahana, M. J. (November, 2013) Neural correlates of memory encoding as a function of practice. Presented at the 43rd Society for Neuroscience meeting.

Long, N. M., Kahana, M. J. (October, 2012) The neural correlates of temporal and semantic clustering during retrieval. Presented at the 42nd Society for Neuroscience meeting.

Long, N. M., Kahana, M. J. (April, 2012) The encoding and retrieval neural mechanisms supporting temporal and semantic clustering in free recall. Presented at the 19th Cognitive Neuroscience Society meeting.

Long, N. M., Sederberg, P. B., Miller, J. F., Kahana, M. J. (November, 2011) Neural correlates of temporal and semantic clustering in free recall. Presented at the 41st Society for Neuroscience meeting.

Long, N. M., Sederberg, P. B., Miller, J. F., Kahana, M. J. (May, 2011) Neural correlates of temporal and semantic clustering in free recall. Presented at Context and Episodic Memory Symposium meeting.

Long, N. M., Doll, B. B., Frank, M. J., Badre, D. (March, 2010). The neurocomputational mechanisms of exploratory and exploitative behavior. Presented at the 17th Cognitive Neuroscience Society meeting.

Long, N. M., Öztekin, I., Badre, D. (October, 2009). An fMRI investigation of the neural mechanisms that support free recall. Presented at the 39th Society for Neuroscience meeting.

Lebrecht, S.F., Pagliaccio, D., **Long, N. M.**, Badre, D. (October, 2009). Ventrolateral prefrontal cortex contributions to rule-guided memory retrieval. Presented at the 39th Society for Neuroscience meeting.

Öztekin, I., **Long, N. M.**, and Badre, D. (March, 2009). Distinguishing events during free recall with fMRI. Presented at the 16th Cognitive Neuroscience Society meeting.

Long, N. M., and Badre, D. (March, 2009). Testing hierarchical interactions in frontal cortex during cognitive control. Presented at the 16th Cognitive Neuroscience Society meeting.

Professional Memberships

Society for Neuroscience