

Curriculum Vitae
Kerry Ledoux, Ph.D.

Education

Ph.D. (2003)	University of North Carolina at Chapel Hill
M.A. (1998)	Major: Cognitive Psychology Thesis/Dissertation Chair: Peter C. Gordon
B.A. (1993)	Clark University, Worcester, MA Major: Psychology Advisor: Nicholas S. Thompson

Professional Experience

2014 – Present	Lecturer, University of Chicago
2005 – 2015	Research Associate, Johns Hopkins University (Previously Postdoctoral Assoc., Research Psychologist)
2003 – 2005	Postdoctoral Researcher, University of California, Davis
Jan. – Dec. 2000	Adjunct Instructor, Department of Behavioral Sciences and Leadership, US Air Force Academy
1995 to 1999, 2001 to 2003	Graduate Student, University of North Carolina at Chapel Hill

Prior Grant Support

July 2010 – August 2014	Co-PI (with Barry Gordon), <i>Receptive Vocabulary Knowledge in Low-Functioning Autism as Assessed by Eye Movements, Pupillary Dilation, and Event-Related Potentials</i> , Department of Defense grant AR093137
January 2008 – December 2009	Co-PI (with Barry Gordon), <i>Subclinical Communications and Vocalizations in Autism: Investigation by Video/Audio Surveillance, Eye Movements, and Evoked Potentials</i> , Nancy Lurie Marks Foundation

Publications

- Schubert, T.M., Rothlein, D., Brothers, T., Coderre, E.L., Ledoux, K., Gordon, B., & McCloskey, M. (2020). Lack of awareness despite complex visual processing: Evidence from event-related potentials in a case of selective metamorphopsia. *Proceedings of the National Academy of Sciences*, *117*, 16055-16064.
- Coderre, E.L., O'Grady, J., Bosley, L., Gordon, B., & Ledoux, K. (2019). Implicit measures of receptive vocabulary knowledge in individuals with Level 3 autism. *Cognitive and Behavioral Neurology*, *32*, 95-119.
- Coderre, E.L., Cohn, N., Slipher, S., Chernenok, M., Ledoux, K., & Gordon, B. (2018). Visual and linguistic narrative comprehension in autism spectrum disorders: Neural evidence for modality-independent impairments. *Brain & Language*, *186*, 44-59.
- Coderre, E.L., Chernenok, M., Gordon, B., & Ledoux, K. (2017). Linguistic and non-linguistic semantic processing in individuals with autism spectrum disorders: An ERP study. *Journal of Autism & Developmental Disorders*, *47*, 795-812.
- Ledoux, K., Coderre, E., Bosley, L., Buz, E., Gangopadhyay, I., & Gordon, B. (2015). The concurrent use of three implicit measures (eye movements, pupillometry, and event-related potentials) to assess receptive vocabulary knowledge in normal adults. *Behavior Research Methods*, *48*, 285-305.
- Ledoux, K., Vannorsdall, T.D., Pickett, E.J., Bosley, L.V., Gordon, B., & Schretlen, D.J. (2014). Capturing additional information about organization of entries in the lexicon from verbal fluency productions. *Journal of Experimental and Clinical Neuropsychology*, *36*, 205-220.
- Sung, K., Gordon, B., Vannorsdall, T.D., Ledoux, K., Schretlen, D.J. (2013). Impaired retrieval of semantic information in bipolar disorder: A clustering analysis of category fluency productions. *Journal of Abnormal Psychology*, *122*(3), 624-634.
- Vannorsdall, T.D., Schretlen, D.J., Andrejczuk, M., Ledoux, K., Bosley, L.V., Weaver, J.R., Skolasky, R.L., & Gordon, B. (2012). Altering automatic verbal processes with transcranial direct current stimulation. *Frontiers in Psychiatry*, *3*, 1-6.
- Sung, K., Gordon, B., Vannorsdall, T.D., Ledoux, K., Pickett, E.J., Pearlson, G.D., & Schretlen, D.J. (2012). Semantic clustering of category fluency in schizophrenia examined with singular value decomposition. *Journal of the International Neuropsychological Society*, *18*, 1-11.
- Ledoux, K., & Gordon, B. (2011). Disruption of spelling-to-sound correspondence mapping during single word reading in patients with temporal lobe epilepsy. *Brain & Language*, *118*, 1-8.
- Ledoux, K., & Camblin, C. (2008). The neural mechanisms of coreference. Invited paper in *Language and Linguistics Compass*, *2*(6), 1013-1037.

Publications (continued)

Gordon, B., & Ledoux, K. (2008). Direct electrical stimulation of language cortex. In B. Stemmer & H.A. Whitaker (Eds.), *Handbook of the neuroscience of language* (pp. 105-113). Amsterdam: Academic Press.

Ledoux, K., Gordon, P.C., Camblin, C.C., & Swaab, T.Y. (2007). Coreference and lexical repetition: Mechanisms of discourse integration. *Memory & Cognition*, 35(4), 801-815.

Ledoux, K., Traxler, M., & Swaab, T.Y. (2007). Syntactic priming in comprehension: Evidence from event-related potentials. *Psychological Science*, 18(2), 135-143.

Camblin, C.C., Ledoux, K., Boudewyn, M., Gordon, P.C., & Swaab, T.Y. (2007). Processing new and repeated names: Effects of coreference on repetition priming with speech and fast RSVP. *Brain Research*, 1146, 172-184.

Ledoux, K., & Gordon, P.C. (2006). Interruption-similarity effects during discourse processing. *Memory*, 14 (7), 789-803.

Ledoux, K., Camblin, C.C., Swaab, T.Y., & Gordon, P.C. (2006). Reading words in discourse: The modulation of lexical priming effects by message-level context. *Behavioral and Cognitive Neuroscience Reviews*, 5, 107-127.

Gordon, P.C., Hendrick, R., & Ledoux-Foster, K. (2000). Language comprehension and probe-list memory. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 26, 766-775.

Gordon, P.C., Hendrick, R., Ledoux, K., & Yang, C.L. (1999). Processing of reference and the structure of language: An analysis of complex noun phrases. *Language and Cognitive Processes*, 14, 353-379.

Thompson, N.S., Ledoux, K., & Moody, K. (1994). A system for describing bird song units. *Bioacoustics*, 5, 267-279.

Select Invited Talks, Convention Presentations, & Colloquia

Ledoux, K. (2019, April). Making Psychology Relevant to Pre-Health Professional Students. Roundtable discussion moderated at the 91st Annual Meeting of the Midwestern Psychological Association (Society for Teaching Psychology), Chicago, IL.

Ledoux, K. (2019, January). Making Psychology Relevant to Pre-Health Professional Students. Participant Idea Exchange moderated at the 41st Annual Meeting of the National Institute on the Teaching of Psychology, St. Pete Beach, FL.

Coderre, E.L., Chernenok, M. Brothers, T., Gordon, B., & Ledoux, K. (2017, May). Resolution of Ambiguous Homographs in Individuals with Autism: An ERP Study. Poster presented at the International Meeting for Autism Research, San Francisco, CA.

Coderre, E.L., Chernenok, M., Gordon, B., & Ledoux, K. (2017, April). Linguistic and Non-Linguistic Semantic Processing in Individuals with Autism Spectrum Disorders: An ERP Study. Poster presented at the 24th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Coderre, E.L., Cohn, N., Slipher, S.K., Chernenok, M., Ledoux, K., & Gordon, B. (2016, August). Visual vs. Linguistic Narratives in ASD. In N. Cohn (Chair), Comics and cognitive science: Towards a field of study. Symposium conducted at the Annual Meeting of the Cognitive Science Society, Philadelphia, PA.

Coderre, E.L., Cohn, N., Slipher, S., Chernenok, M., Ledoux, K., & Gordon, B. (2015, November). Visual vs. Linguistic Narrative Processing in Individuals with Autism Spectrum Disorders. Poster presented at the Annual Meeting of the Society of the Neurobiology of Language, Chicago, IL.

Coderre, E., Chernenok, M., O'Grady, J., Bosley, L, Gordon, B., & Ledoux, K. (2015, September). Event-Related Potentials as Implicit Measures of Vocabulary in Individuals with Autism. Poster presented at the American Neurological Association's 2015 Annual Meeting, Chicago, IL.

Chernenok, M., Coderre, E., Gordon, B., & Ledoux, K. (2015, May). Facial Processing in Low-Functioning Individuals with Autism: An N170 Event-Related Potential Study. Poster presented at the 14th Annual International Meeting for Autism Research, Salt Lake City, UT.

Chernenok, M., Gordon, B., & Ledoux, K. (2015, March). The Modulation of Repetition Priming Effects by Sentence Context: An ERP Study with Ambiguous Words. Poster presented at the 22nd Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Coderre, E., Gordon, B., & Ledoux, K. (2015, March). Identifying the Cognitive Locus of Deficits in Connectivity During Lexico-Semantic Processing In Autism. Poster presented at the 22nd Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Select Invited Talks, Convention Papers & Colloquia (continued)

Ledoux, K., Fisher, Z., Kuo, S., & Gordon, B. (2014, October). Using Mismatch Negativity to Study Speech Perception in a Low-Functioning Individual with Autism. Poster presented at the American Neurological Association's 2014 Annual Meeting, Baltimore, Maryland.

Coderre, E., Fisher, Z., Gordon, B., & Ledoux, K. (2014, October). Electrophysiological Measurements of Letter-Sound Correspondence in a Low-Functioning Individual with Autism. Poster presented at the American Neurological Association's 2014 Annual Meeting, Baltimore, Maryland.

Coderre, E., Gordon, B., & Ledoux, K. (2014, April). Neural Connectivity During Semantic Processing of Pictures and Spoken Words in Autism Spectrum Disorders. Poster presented at the 21st Annual Meeting of the Cognitive Neuroscience Society, Boston, Massachusetts.

Chernenok, M., Gordon, B., & Ledoux, K. (2013, November). Repetition of Form and Meaning in Sentence Contexts: An ERP Study of Repetition Priming Using Ambiguous Words. Poster presented at the 5th Annual Meeting of the Society for the Neurobiology of Language, San Diego, CA.

Coderre, E., Fisher, Z., Gordon, B., & Ledoux, K. (2013, November). Electrophysiological Measurements of Letter-Sound Congruency Effects. Poster presented at the 5th Annual Meeting of the Society for the Neurobiology of Language, San Diego, CA.

Coderre, E., Bosley, L., Chernenok, M., Gordon, B., & Ledoux, K. (2013, November). Modeling Implicit Measures of Receptive Vocabulary Knowledge in Normal Adults. Poster presented at the 54th Annual Meeting of the Psychonomic Society, Toronto, Canada.

Gangopadhyay, I., Ledoux, K., Bosley, L., & Gordon, B. (2012, May). Assessing Receptive Vocabulary Knowledge in Individuals with Autism Using Implicit Measures. Poster presented at the 11th Annual International Meeting for Autism Research, Toronto, Canada.

Brothers, T., Ledoux, K., & Gordon, B. (2011, November). Interactions between Verb Subcategorization and Syntactic Priming: Evidence from Self-Paced Reading and Event-Related Potentials. Poster presented at the 3rd Annual Neurobiology of Language Conference, Annapolis, MD.

Gangopadhyay, I., Ledoux, K., Bosley, L.V., & Gordon, B. (2011, November). The Use of Implicit Measures to Assess Receptive Vocabulary Knowledge in Individuals with Autism. Poster presented at the 3rd Annual Neurobiology of Language Conference, Annapolis, MD.

Brothers, T., Ledoux, K., & Gordon, B. (2011, November). Explaining the Verb Repetition “Boost:” Interactions between Verb Subcategorization and Syntactic Priming during Reading. Poster presented at the 52nd Annual Meeting of the Psychonomic Society, Seattle, WA.

Ledoux, K., Brothers, T., & Gordon, B. (2011, November). Syntactic Priming in Natural Language Comprehension: Evidence from Auditory Event-Related Potentials. Poster presented at the 52nd Annual Meeting of the Psychonomic Society, Seattle, WA.

Select Invited Talks, Convention Papers & Colloquia (continued)

Vannorsdall, T.D., Gordon, B., Ledoux, K., Sung, K., Pickett, E.J., Andrejczuk, M., Lassen-Greene, C., Weaver, J.R., Van Droof, L., & Schretlen, D.J. (2011, February). Altering Automatic Verbal Processes with Transcranial Direct Current Stimulation. Poster presented at the 39th Annual Meeting of the International Neuropsychological Society, Boston, MA.

Ledoux, K., Pickett, E.J., Van Droof, L.V., Buz, E., Billings, N.M., & Gordon, B. (2010, November). Receptive Vocabulary Knowledge in Individuals with Autism as Assessed by Eye Movements, Pupillary Dilation, and Event-Related Potentials. Poster presented at A Brain Research Meeting: The Emerging Neuroscience of Autism Spectrum Disorders, San Diego, CA.

Sung, K., Ledoux, K., Pickett, E.J., Vannorsdall, T.D., Fieldstone, S.C., Gordon, B., & Schretlen, D.J. (2010, November). Deficit in Semantic Clustering of Category Examples Generated by People with Bipolar Disorder. Poster presented at the 51st Annual Meeting of the Psychonomic Society, St. Louis, MO.

Ledoux, K. (2010, April). Online Studies of Repeated Name and Pronominal Coreference. Invited paper presented at the Language Processing Brown Bag Series, Beckman Institute, University of Illinois, Urbana-Champaign.

Ledoux, K., Pickett, E.J., Van Droof, L.V., Buz, E., Billings, N.M., & Gordon, B. (2009, November). Receptive Vocabulary Knowledge in Individuals with Autism as Assessed by Eye Movements, Pupillary Dilation, and Event-Related Potentials. Poster presented at the 50th Annual Meeting of the Psychonomic Society, Boston, MA.

Pickett, E.J., Ledoux, K., Vannorsdall, T.D., Sung, K., Fieldstone, S.C., Schretlen, D.J., & Gordon, B. (2009, October). Production Time Differences as Evidence for Automatic vs. Controlled Word Selection Processes. Poster presented at the 134th Annual Meeting of the American Neurological Association, Baltimore, MD.

Ledoux, K., Boatman, D., & Gordon, B. (2009, April). Disruption of Grapheme-to-Phoneme Correspondence Mapping During Single Word Reading in Patients with Epilepsy: Implications for Models of Reading. Poster presented at the 61st Annual Meeting of the American Academy of Neurology, Seattle, WA.

Ledoux, K. (2008, June). On-line Studies of Repeated Name and Pronominal Coreference. Invited paper presented at the Brain Talk: Discourse With and In the Brain Conference, Lund, Sweden.

Ad Hoc Reviewer

Programs:

Abstracts Review Panel, Annual CUNY Conference on Human Sentence Processing (2008 - 2017)

Journals:

Brain & Language, Brain Research, Cerebral Cortex, Cognition, Cognitive, Affective & Behavioral Neuroscience, Experimental Aging Research, Journal of Cognitive Neuroscience, Journal of Memory & Language, Language & Cognitive Processes, Memory & Cognition

Professional organization memberships

Midwestern Psychological Association (2019 – present)

Association for Psychological Science (2016 – present)

Psychonomic Society (2011 – 2015)

Cognitive Neuroscience Society (2006 – 2015)

Teaching Experience

Topics in Behavioral and Social Sciences Relevant to Medicine (University of Chicago)

MIND (University of Chicago)

Research Methods in Psychology (University of Chicago, University of North Carolina)

Sensation and Perception (University of Chicago, University of North Carolina, Columbia College Chicago)

The Disordered Mind (University of Chicago)

Introduction to Psychology (UC Davis, University of Maryland University College, Columbia College Chicago)

Social Psychology (Columbia College Chicago)

Introduction to Behavioral Science and Leadership (US Air Force Academy)

Introduction to Cognitive Psychology (University of North Carolina)

Awards

Phi Beta Kappa (Clark University)

Fiat Lux Honor Society (Clark University)

Technology in Teaching Grant from the UNC Graduate School, \$1000 (Spring 1999)

Nomination: Outstanding Teaching Assistant (UNC Graduate School, 2002)