

# Ellen Lau

Department of Linguistics  
1401 Marie Mount Hall  
University of Maryland  
College Park, MD 20742

[ellenlau@umd.edu](mailto:ellenlau@umd.edu)  
<https://neurolinglab.wordpress.com>

## *Academic Employment*

---

- 2013- Co-Director of the KIT-UMD Magnetoencephalography Laboratory
- 2011- Assistant Professor, University of Maryland Department of Linguistics
- 2009-2012 Research Fellow, Massachusetts General Hospital/Harvard Medical School  
Athinoula A. Martinos Center for Biomedical Imaging  
Department of Psychiatry  
Mentors: Dr. Gina Kuperberg & Dr. Matti Hämäläinen

## *Education*

---

- 2004-2009 University of Maryland, College Park  
Ph.D., Linguistics, with certificate in Neuroscience and Cognitive Science  
Title: *The predictive nature of language comprehension*  
Advisors: Colin Phillips and David Poeppel
- 1999-2003 Michigan State University  
B.S., Psychology

## *Grants and Awards*

---

- 2017 UMD Graduate Faculty Mentor of the Year
- 2014-2016 ADVANCE Interdisciplinary and Engaged Research Seed Grant (\$19,300)  
'Predictive comprehension in a second language' (with co-PI Polly O'Rourke)
- 2010-2012 National Research Service Award (NIH F32 postdoctoral fellowship award)  
'Selection Mechanisms Regulating Contextual Prediction in Language'
- 2004-2007 National Science Foundation Graduate Research Fellowship

## *Publications*

---

### *Refereed Journal Articles*

- Lau, E. & Namyst, A. (submitted). fMRI evidence that left posterior temporal cortex contributes to N400 effects of predictability independent of congruity.
- Kuperberg, G., Weber, K., Delaney-Busch, N., Ustine, C., Stillerman, B., Hamalainen, M., Lau, E. (submitted). Multimodal neuroimaging evidence for broader automatic semantic activity in schizophrenia.
- Matchin, W., Brodbeck, C., Hammerly, C., & Lau, E. (under revision). The temporal dynamics of structure and content in the language network.
- Pelzl, E., Guo, T., Lau, E., & DeKeyser, R. (in press). Advanced second language learners' perception of lexical tone contrasts. *Studies in Second Language Acquisition*.
- Chow, W. Y., Lau, E. F., Wang, S. & Phillips, C. (2018). Wait a second! Delayed impact of argument roles on on-line verb prediction. *Language, Cognition & Neuroscience*.

- Schlueter, Z., Williams, A., & Lau, E. (2018). Exploring the abstractness of number retrieval cues in the computation of subject-verb agreement in comprehension. *Journal of Memory and Language*, 99, 74-89.
- Lau, E., & Liao, C. H. (2017). Linguistic structure across time: ERP responses to coordinated and uncoordinated noun phrases. *Language, Cognition and Neuroscience*, 1-15.
- Matchin, W., Hammerly, C., & Lau, E. (2017). The role of the IFG and pSTS in syntactic prediction: Evidence from a parametric study of hierarchical structure in fMRI. *Cortex*.
- Lago, S., Sloggett, S., Schlueter, Z., Chow, W. Y., Williams, A., Lau, E., & Phillips, C. (2017). Coreference and antecedent representation across languages. *Journal of Experimental Psychology: Learning, Memory, and Cognition*.
- Lapinskaya, N., Uzomah, U., Bedny, M., & Lau, E. (2016). Electrophysiological signatures of event words: Dissociating syntactic and semantic category effects in lexical processing. *Neuropsychologia*.
- Neufeld, C., Kramer, S. E., Lapinskaya, N., Heffner, C. C., Malko, A., & Lau, E. F. (2016). The Electrophysiology of Basic Phrase Building. *PloS one*, e0158446.
- Lau, E., Namyst, A., Fogel, A., & Delgado, T. (2016). A direct comparison of N400 effects of predictability and incongruity in adjective-noun combination. *Collabra: Psychology*.
- Barrios, S. L., Namyst, A. M., Lau, E. F., Feldman, N. H., & Idsardi, W. J. (2016). Establishing New Mappings between Familiar Phones: Neural and Behavioral Evidence for Early Automatic Processing of Nonnative Contrasts. *Frontiers in Psychology*.
- Weber, K., Lau, E. F., Stillerman, B., & Kuperberg, G. R. (2016). The Yin and the Yang of Prediction: An fMRI Study of Semantic Predictive Processing. *PloS One*, 11(3), e0148637.
- Chow, W-Y., Momma, S., Smith, C., Lau, E. & Phillips, C. (2016). Prediction as Memory Retrieval: Timing and Mechanisms. *Language, Cognition, and Neuroscience*.
- McCourt, M., Green, J., Lau, E., & Williams, A. (2015). Processing implicit control: evidence from reading times. *Frontiers in Psychology*.
- Chow, W-Y., Smith, C., Lau, E. & Phillips, C. (2015). A 'bag-of-arguments' mechanism for initial verb predictions. *Language, Cognition, and Neuroscience*.
- Lau, E.F. & Nguyen, E.T. (2015). The role of temporal predictability in semantic expectation: An MEG investigation. *Cortex*.
- Lago, S., Shalom, D., Sigman, M., Lau, E., Phillips, C. (2015). Agreement processes in Spanish comprehension. *Journal of Memory and Language*.
- Omaki, A., Lau, E.F., Davidson White, I., Dakan, M., Apple, A., & Phillips, C. (2015). Hyper-active gap filling. *Frontiers in Psychology*.
- Lau, E.F., Weber, K., Gramfort, A., Hämäläinen, M., & Kuperberg, G. (2014). Spatiotemporal signatures of lexical-semantic prediction. *Cerebral Cortex*.
- Chow, W-Y., Lago, S., Barrios, S., Parker, D., Morini, G., & Lau, E. (2014). Independent effects of repetition and prediction on lexical semantic processing during comprehension. *PloS One*.
- Lau, E.F., Gramfort, A., Hämäläinen, M.S., & Kuperberg, G.R. (2013). Automatic semantic facilitation in anterior temporal cortex revealed through multimodal neuroimaging. *Journal of Neuroscience*.

- Lau, E.F., Holcomb, P.J., & Kuperberg, G.R. (2013). Dissociating N400 effects of prediction from association in single word contexts. *Journal of Cognitive Neuroscience*.
- Lau, E., Almeida, D., Hines, P., & Poeppel, D. (2009). A lexical basis for N400 context effects: Evidence from MEG. *Brain and Language*.
- Wagers, M., Lau, E.F., & Phillips, C. (2009). Agreement attraction in comprehension: representations and processes. *Journal of Memory and Language*.
- Lau, E.F., Poeppel, D., & Phillips, C. (2008). A cortical network for semantics: (de)constructing the N400. *Nature Reviews Neuroscience*.
- Kazanina, N., Lau, E.F., Lieberman, M., Phillips, C., & Yoshida, M. (2007). Effect of syntactic constraints on long-distance dependency formation in backwards anaphora processing. *Journal of Memory and Language*, 56, 384-409.
- Lau, E. F., Stroud, C., Plesch, S., & Phillips, C. (2006). The role of prediction in rapid syntactic analysis. *Brain and Language*, 98, 74-88.
- Lau, E. F. & Ferreira, F. (2005). Lingering effects of disfluent material on the comprehension of garden path sentences. *Language and Cognitive Processes*, 633-666.
- Ferreira, F., Lau, E. F., & Bailey, K. G. D. (2004). Disfluencies, Language Comprehension, and Tree Adjoining Grammars. *Cognitive Science*, 28(5), 721-749.

#### *Book Chapters*

- Monahan, P., Lau, E., & Idsardi, W. (2013) Computational Primitives in Phonology and their Neural Correlates. *Handbook of Bilingualism*, Cambridge University Press, UK.
- Sprouse, J. & Lau, E. (2013). Syntax and the Brain. *The Cambridge Handbook of Generative Syntax*. Cambridge University Press, UK.
- Phillips, C., Wagers, M., & Lau, E. (2011). Grammatical Illusions and Selective Fallibility in Real-Time Language Comprehension. *Experiments at the Interfaces. Syntax & Semantics, Vol. 37*. Emerald Publications, Bingley, England.

#### *Proceedings and Working Papers*

- Lau, E.F., Rozanova, K., & Phillips, C. (2007). Syntactic prediction and lexical surface frequency effects in sentence processing. *University of Maryland Working Papers in Linguistics*, 16, 163-200.
- Resnik, P., Elkiss, A., Lau, E., & Taylor, H. (2005). The Web in Theoretical Linguistics Research: Two Case Studies Using the Linguist's Search Engine. *Proceedings of the 31st Meeting of the Berkeley Linguistics Society, February 2005*, 265-276.

#### *Book Reviews*

- Phillips, C. & Lau, E. F. (2004). Foundational Issues (review article for R. Jackendoff's *Foundations of Language*). *Journal of Linguistics*, 40, 571-591.

#### ***Invited Talks***

- 
- 2018 TBD. Invited speaker for workshop 'Toward mechanistic theories of meaning composition' at Norwegian University for Science and Technology, Trondheim.

- 2018 'Advances in the Neurophysiology of Language: Structure, Time, and Plasticity.' Invited speaker and symposium organizer for the 31<sup>st</sup> International Congress of Clinical Neurophysiology, Washington, DC.
- 2018 'Towards a model of linguistic structure building: what do ERPs contribute?' Invited speaker for special session on 'Linguistic Computation Electrified' at the 31<sup>st</sup> Annual CUNY Sentence Processing Conference, UC Davis.
- 2017 'New directions for neural measures of syntactic and semantic structure building.' Plenary speaker for UConn LangFest.
- 2017 'Linguistic structure forwards and backwards: prediction and memory representation'. Keynote lecture at Michigan State University Graduate Linguistics Expo.
- 2016 'Neural Investigations into Syntactic and Semantic Combination: from Beginning to End'. Cognitive Science of Language Lecture Series, McMaster University, Hamilton, Ontario.
- 2013 Predictive comprehension: Evidence from multimodal neuroimaging. Neurobiology Seminar Series, UT San Antonio.
- 2013 Predictive facilitation in lexical processing: mechanisms and neural implementation. Cognitive Science Colloquium, SUNY Buffalo.
- 2011 Context effects in comprehension: Active prediction or passive priming? Cognitive Psychology Brown Bag, University of Massachusetts, Amherst.
- 2011 Context effects in language comprehension: Active prediction or passive priming? Dept. of Psychology CBS Seminar Series, Tufts University, Medford, MA.
- 2010 Context-based lexical prediction in comprehension. Colloque de recherche en logopédie, Faculté des Sciences Économiques et Sociales, Université de Genève.
- 2010 Contextual effects in language comprehension: active prediction or passive priming? Dept. of Psychology Hard Data Café, University of South Carolina, Columbia SC.
- Lau, E. (2009). Unpacking the N400 with MEG. MEG and Language Workshop (MEGLANG), Saclay, France.
- Lau, E. (2006). The role of syntactic prediction in sentence processing. Primeiro Encontro Maryland-UFRJ de Sintaxe e Neurociência de Linguagem, Rio de Janeiro, Brazil.

### ***Conference Presentations***

- 
- Pelzl, E., Lau, E., & DeKeyser, R. (2018). The processing of tones and segments in Mandarin word recognition by advanced second language learners. Annual meeting of the American Association for Applied Linguistics.
- Ehrenhofer, L., Rao, N., Buffinton, J., Lau, E. & Phillips, C. (2018). Competing predictions drive N400 sensitivity to argument role reversals. 31<sup>st</sup> Annual CUNY Sentence Processing Conference.
- Matchin, W., Brodbeck, C., Hammerly, C., & Lau, E. (2018). The temporal dynamics of structure and content in the language network. 31<sup>st</sup> Annual CUNY Sentence Processing Conference.
- Gaston, P., Lau, E., & Phillips, C. (2018). Resolving cross-method conflicts in the timing of cohort competition using jTRACE. 31<sup>st</sup> Annual CUNY Sentence Processing Conference.
- Green, J., McCourt, M., Williams, A. & Lau, E. (2018). Processing adjunct control: Rapid use of structural information in anaphora resolution. 31<sup>st</sup> Annual CUNY Sentence Processing Conference.
- Karatas, N.B., Gor, K., Slevc, L.R. & Lau, E. (2018). Complex sentence planning in L1 & L2 Turkish. 31<sup>st</sup> Annual CUNY Sentence Processing Conference.

- Karatas, N.B. & Lau, E. (2018). A morphological cue beats a semantic constraint in Turkish agreement attraction. 31<sup>st</sup> Annual CUNY Sentence Processing Conference.
- Lago, S., Jager, L, Namyst, A. & Lau, E. (2018). ERP priming effects in the processing of coreference: a Bayesian analysis. 31<sup>st</sup> Annual CUNY Sentence Processing Conference.
- Lau, E., Clarke, N., Socolof, M., Asatiani, R., Polinsky, M. (2018). Early detection of conflicting constraints? ERP evidence from Georgian. 31<sup>st</sup> Annual CUNY Sentence Processing Conference.
- Liao, C.-H. & Lau, E. (2018). Extra time to get results? ERP data on complex predicates in Mandarin. 31<sup>st</sup> Annual CUNY Sentence Processing Conference.
- Schlueter, Z., Namyst, A., & Lau, E. (2018). Predicting discourse status: N400 effects of determiner expectation. 31<sup>st</sup> Annual CUNY Sentence Processing Conference.
- Schlueter, Z., Parker, D., & Lau, E. (2018). Things that should affect agreement attraction in comprehension, but don't. 31<sup>st</sup> Annual CUNY Sentence Processing Conference.
- Hirzel M, Lapinskaya N, Lidz J, & Lau E. (2017). Syntactic constituency rate effects in EEG. Society for the Neurobiology of Language.
- Karatas, N.B., Gor, K., & Lau, E. (2017). Comparison of sensitivity to case violations across native and nonnative speakers of Turkish. 10th International Morphological Processing Conference (MoProc).
- Lau, E. & Liao, C.-H. (2017). Neural indices of active structure maintenance: ERP evidence from NP coordination. 30<sup>th</sup> Annual CUNY Sentence Processing Conference.
- Schluter, Z., Parker, D., & Lau, E. (2017). (Mis)interpreting agreement attraction: Evidence from a novel dual-task paradigm. 30<sup>th</sup> Annual CUNY Sentence Processing Conference.
- Matchin, W., Liao, C.-H., Gaston, P., & Lau, E. (2017). An fMRI investigation of argument structure and syntactic selection. 24<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society.
- Delaney-Busch, N., Morgan, E., Lau, E., Kuperberg, G. (2016). Comprehenders rationally adapt semantic predictions to the statistics of the environment: a Bayesian model of trial-level N400 amplitudes. Psychonomic Society's 57<sup>th</sup> Annual Meeting.
- Schlueter, Z., Momma, S., Lau, E. (2016). Grammatical knowledge without native-like processing routines: Subject-verb agreement in Chinese L2 learners of English. 35th Second Language Research Forum.
- Schlueter, Z., Williams, A., Lau, E. (2016). The Impact of Coordination on Agreement Processing: Abstract and surface cues to plurality. 16th Conference on Architectures and Mechanisms for Language Processing.
- Pelzl, E., Guo, T., & Lau, E. (2016). Tuning in: adaptation to mispronunciation in foreign-accented language comprehension. 29<sup>th</sup> Annual CUNY Sentence Processing Conference.
- Momma, S., Luo, Y., Sakai, H., Lau, E., & Phillips, C. (2016). Lexical predictions and the structure of semantic memory: EEG evidence from case changes. 29<sup>th</sup> Annual CUNY Sentence Processing Conference.
- Pelzl, E., DeKeyser, R., Lau, E., Phillips, C. (2015). The Acquisition of Lexical Tone by Advanced Second Language Learners. Second Language Research Forum.
- Matchin, W., Hammerly, C., Lau, E. (2015). A parametric study of hierarchical structure building in fMRI and MEG. Society for the Neurobiology of Language Conference.
- Lapinskaya, N., Uzomah U, Bedny M, Lau E. (2015). Dissociating neural effects of semantic and syntactic category on lexical processing. Society for the Neurobiology of Language Conference.
- Lau, E., O'Rourke P, Namyst A, Darwish S, Dawson T. (2015). The impact of timing on lexical-semantic prediction in L1 and L2. Society for the Neurobiology of Language Conference.
- Schlueter, Z., Williams A, Lau E. (2015). How quickly is definiteness information incorporated into Comprehender Expectations? 28th Annual CUNY Sentence Processing Conference.
- Lago, S., Namyst A, Lau E. (2015). N400 semantic expectation effects provide evidence for rapid pronoun resolution. 28th Annual CUNY Sentence Processing Conference.

- Chow, W-Y., Smith, C., Lau, E., Phillips, C. (2014). How do we compute predictions for an upcoming verb? Talk presented at the 20<sup>th</sup> Architectures and Mechanisms for Language Processing (AMLaP) Conference, Edinburgh, Scotland.
- Lago, S., Sloggett, S., Schlueter, Z., Chow, W-Y., Lau, E. (2014). Does pronoun processing vary across languages? Poster presented at the 20<sup>th</sup> Architectures and Mechanisms for Language Processing (AMLaP) Conference, Edinburgh, Scotland.
- Weber, K., Lau, E., Stillerman, B., Choi-Perrachione, A., Delaney-Busch, N., Kuperberg, G. R. (2014). Patterns of activation and connectivity in fronto-temporal language networks during sentence processing in patients with schizophrenia: A multimodal imaging investigation. Poster presented at the 6th Annual Society for the Neurobiology of Language Conference.
- Fields, E. C., Weber, K., Stillerman, B., Delaney-Busch, N., Ustine, C., Lau, E. F., Kuperberg, G. R. (2014). Emotional valence modulates self vs. other activation in mPFC. Poster presented at the 26th Annual Convention of the Association for Psychological Science, San Francisco, CA.
- Weber, K., Lau, E., Ustine, C., Choi-Perrachione, A., Delaney-Busch, N., Kuperberg, G. (2014). Making sense of the senseless: abnormal brain connectivity in patients with schizophrenia during sentence processing. Poster presented at the 21<sup>st</sup> Meeting of the Cognitive Neuroscience Society, Boston, MA.
- Lau, E. & Namyst, A. (2014). Dissociating neural effects of predictability and incongruity in adjective-noun phrases. Poster presented at the 27th Annual CUNY Sentence Processing Conference, Columbus, OH.
- McCourt, M., Fazlipour, A., Lau, E., Williams, A. (2014). Implicit agents in short passives and remote control of reason clauses. Poster presented at the 27th Annual CUNY Sentence Processing Conference, Columbus, OH.
- Chow, W.-Y., MacMillan, G., Shah, S., Kurenkov, I., Lau, E., Phillips, C. (2014). Partial use of available information in the early stages of verb prediction. Poster presented at the 27th Annual CUNY Sentence Processing Conference, Columbus, OH.
- Lago, S., Shalom, D., Sigman, M., Lau, E., Phillips, C. (2014). Yo pienso, tu piensas, él piensa: Crosslinguistic agreement effects in comprehension. Poster presented at the 27th Annual CUNY Sentence Processing Conference, Columbus, OH.
- Lau, E., Fogel, A., Delgado, T. (2013). Costs and benefits of prediction: late ERP effects of lexical prediction error in noun phrases. Poster presented at the Annual Meeting of the Society for the Neurobiology of Language.
- Lau, E. (2013). Automatic and predictive contextual facilitation in comprehension: evidence from multimodal neuroimaging. Talk presented at the 19<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping.
- Weber, K., Lau, E., Delaney-Busch, N., Hämäläinen, M., Henderson, D., Kuperberg, G. (2013). Beta band oscillations during basic sentence comprehension in patients with schizophrenia. Poster presented at the Society for the Neurobiology of Language Conference.
- Lau, E., Weber, K., Delaney-Busch, N., Ustine, C., Fanucci, K., Hämäläinen, M., Kuperberg, G. (2013). Spatiotemporal imaging of language reveals dissociations between prediction generation and belief updating in schizophrenia. Poster presented at the Annual Meeting of the Society of Biological Psychiatry.
- Lau, E., Weber, K., Delaney-Busch, N., Ustine, C., Fanucci, K., Hamalainen, M., Kuperberg, G. (2013). Predictive semantic facilitation in schizophrenia: a multimodal imaging investigation. Poster presented at the 20<sup>th</sup> Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Lago, MS, Chow, WY, Barrios S, Parker D, Morini G, Lau, E. (2013). Long-term memory effects in the N400 during sentence processing: evidence from a novel recognition memory - sentence comprehension paradigm. Poster presented at the 20<sup>th</sup> Meeting of the Cognitive Neuroscience Society, San Francisco, CA.

- Lau E, Ustine C, Hamalainen M, Kuperberg G. (2012) Differential sensitivity to effects of masked semantic priming in MEG/EEG and fMRI. International Conference on Biomagnetism, Paris.
- Lau E, Gramfort A, Weber K, Delaney-Busch N, Fields E, Ustine C, Fanucci K, Holcomb P, Hamalainen M, Kuperberg G. Localizing N400 effects of predictive facilitation with EEG-MEG and fMRI. Annual McGovern Institute Symposium, 2012.
- Lau E, Gramfort A, Burns S, Delaney-Busch N, Fields E, Fanucci K, Holcomb P, Hamalainen M, Kuperberg GR. Localizing N400 effects of prediction with simultaneous EEG-MEG. Annual Meeting of the Cognitive Neuroscience Society, 2012.
- Lau E, Burns S, Gramfort A, Delaney-Busch N, Fields EC, Fanucci K, Holcomb PJ, Kuperberg GR. Using multimodal imaging to distinguish active prediction from passive priming. Annual Meeting of the Society for Psychophysiological Research and Annual Neurobiology of Language Conference, 2011.
- Lau E, Burns S, Kuperberg GR. fMRI effects of masked semantic priming. Annual Meeting of the Society for Psychophysiological Research, 2011.
- Lau, E.F., Holcomb, P., & Kuperberg, G.K. (2011). Context effects in language comprehension: active prediction or passive priming? Poster presented at the 18<sup>th</sup> Cognitive Neuroscience Meeting, San Francisco, CA.
- Clegg, L., Lau, E.F. & Kuperberg, G.K. (2011). A Gratton Effect on the Syntactic P600: evidence that syntactic processing is subject to a dynamic adjustment of executive control. Poster presented at the 18<sup>th</sup> Cognitive Neuroscience Meeting, San Francisco, CA.
- Kuperberg, G.K., Lau, E.F., & Clegg, L. (2011). Syntactic processing can be subject to a dynamic adjustment of executive control. Poster presented at the 24<sup>th</sup> CUNY Conference on Human Sentence Processing, Palo Alto, CA.
- Omaki, A, Lau, E. F., Davidson White, I., & Phillips, C. (2010). Hyper-active gap filling: Pre-verbal object gap creation in English filler-gap dependency processing. Poster presented at AMLaP 2010, York, UK.
- Lau, E. (2009). The N400 effect as an index of facilitated lexical access. Paper presented as part of the symposium 'Levels of meaning: Current Neural Perspectives on the N400' at the 49<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Berlin, Germany.
- Lau, E.F., Wagers, M., & Phillips, C. (2009). The consequences of number agreement on number interpretation. Poster presented at the 22<sup>nd</sup> CUNY Conference on Human Sentence Processing, Davis, CA.
- Wagers, M., Lau, E.F., Stroud, C., McElree, B., & Phillips, C. (2009). Encoding syntactic predictions: evidence from the dynamics of agreement. Paper presented at the 22<sup>nd</sup> CUNY Conference on Human Sentence Processing, Davis, CA.
- Lau, E.F., Almeida, D., AbdulSabur, N., Braun, A., & Poeppel, D. (2009). Fractionating the N400 effect with simultaneous MEG and EEG. Poster presented at the 16<sup>th</sup> Cognitive Neuroscience Meeting, San Francisco, CA.
- Lau, E.F., Almeida, D., AbdulSabur, N., Braun, A., & Poeppel, D. (2008). Insights on the N400 from concurrent EEG and MEG recordings. Poster presented at the 38<sup>th</sup> Society for Neuroscience Meeting, Washington, DC.
- Lau, E., Almeida, D., Hines, P., & Poeppel, D. (2008). A within-subjects comparison of word and sentence-level MEG responses. Poster presented at the 15th Cognitive Neuroscience Society Meeting, San Francisco, CA.
- Almeida, D., Lau, E., & Poeppel, D. (2008). An MEG study of semantic priming. Poster presented at the 15th Cognitive Neuroscience Society Meeting, San Francisco, CA.
- Xiang, M., Lau, E., & Poeppel, D. (2008). Reversing plausibility (or not): MEG evidence for processing semantic presupposition and scalarity. Poster presented at the 15th Cognitive Neuroscience Society Meeting, San Francisco, CA.

- Lau, E., Wagers, M., Stroud, C., & Phillips, C. (2008). Agreement and the subject of confusion. Talk presented at the 21<sup>st</sup> CUNY Conference on Human Sentence Processing, Chapel Hill, NC.
- Lau, E., Almeida, D., Hines, P., & Poeppel, D. (2008). An MEG comparison of word- and sentence-level effects on the N400. Poster presented at the 21<sup>st</sup> CUNY Conference on Human Sentence Processing, Chapel Hill, NC.
- Wagers, M., Lau, E., & Phillips, C. (2008). Early and late effects of agreement attraction in comprehension. Poster presented at the 21<sup>st</sup> CUNY Conference on Human Sentence Processing, Chapel Hill, NC.
- Lau, E., Wagers, M., & Phillips, C. (2007). Agreement attraction in comprehension: representations and processes. Talk presented at the Mid-America Linguistics Conference, University of Kansas, Lawrence.
- Lau, E., Wagers, M. & Phillips, C. (2007). How (not) to get confused in comprehension: the case of agreement. Talk presented at the 13<sup>th</sup> Annual Architectures and Mechanisms for Language Processing Conference, Turku, Finland.
- Lau, E.F., Yeung, H.H., Hashimoto, R., Braun, A., & Phillips, C. (2006) Time-course and localization of syntactic and semantic anomaly responses in sentence processing: a within-subjects fMRI/MEG design. Poster presented at the 36<sup>th</sup> Society for Neuroscience Annual Meeting, Atlanta, GA.
- Wagers, M. & Lau E. (2006). Non-intervening attraction and the computation of agreement in comprehension. Poster presented at the 12<sup>th</sup> Annual Architectures and Mechanisms for Language Processing Conference, Nijmegen, The Netherlands.
- Lau, E., Rozanova, K., & Phillips, C. (2006). Differential effects of lexical surface frequency on reading times in syntactic context. Poster presented at the 19<sup>th</sup> CUNY Conference on Human Sentence Processing, New York, NY.
- Kazanina, N., Lau, E., Liberman, M., Phillips, C., & Yoshida, M. (2005). Constraints on Coreference in the Online Processing of Backwards Anaphora. Poster presented at the 18<sup>th</sup> CUNY Conference on Human Sentence Processing, Tucson, AZ.
- Resnik, P., Elkiss, A., Taylor, H. & Lau, E. (2005). "The Web in Theoretical Linguistics Research: Two Case Studies Using the Linguist's Search Engine", 31st Meeting of the Berkeley Linguistics Society.
- Kazanina, N., Lau, E., Liberman, M., Phillips, C., & Yoshida, M. (2004). Active Dependency Formation in the Processing of Backwards Anaphora. Paper presented at the 17<sup>th</sup> CUNY Conference on Human Sentence Processing, College Park, MD.
- Ferreira, F., Lau, E. F., & Bailey, K. G. B. (2004). A model of disfluency processing based on Tree-Adjoining Grammar. Paper presented at the 17<sup>th</sup> CUNY Conference on Human Sentence Processing, College Park, MD.
- Fodor, J.D., Ferreira, F. & Lau, E. (2003). Structure-building and Lexical Access during Garden-Path Recovery. Paper presented at the Annual Architectures and Mechanisms of Language Processing Meeting, Glasgow, United Kingdom.
- Fodor, J.D., Ferreira, F. & Lau, E. (2003). A Time-Course Study of Garden-Path Reanalysis. Poster presented at the 16<sup>th</sup> CUNY Conference on Human Sentence Processing, Cambridge, MA.

## ***Teaching***

---

### *Invited Courses*

- 2018 (August) Neural encoding of linguistic structure: multimodal neuroimaging approaches (one lecture). Cold Spring Harbor Laboratory Course on Genetics & Neurobiology of Language, Cold Spring Harbor, NY.
- 2017 Semantic and syntactic prediction in the brain: Perspectives from multimodal imaging



- studies (one lecture). Kavli Summer Institute in Cognitive Neuroscience, Santa Barbara, CA.
- 2016 Multimodal neuroimaging and predictive processing models (one lecture). Cold Spring Harbor Laboratory Course on Genetics & Neurobiology of Language, Cold Spring Harbor, NY.
- 2015 Introduction to Neurolinguistics (four lectures). Linguistic Society of America Summer Institute.
- 2010-2012 Practical Issues in Multimodal Neuroimaging (one lecture). Multi-Modality Short Course at the Athinoula A. Martinos Center for Biomedical Imaging
- 2010 The neuroanatomy of language comprehension and the N400 effect (two lectures). First International Psycholinguistics Conference of ANPOLL, Rio de Janeiro, Brazil.

*University of Maryland*

- Spring 2017 NACS642 – Cognitive Neuroscience
- Fall 2017 LING440 – Grammars and Cognition  
LING646 – Cognitive Neuroscience of Language  
LING848 – Violently Multidisciplinary Language Science (*co-taught with Philip Resnik and Omer Preminger; uncredited*)
- Spring 2017 LING440 – Grammars and Cognition  
NACS642 – Cognitive Neuroscience
- Spring 2016 LING440 – Grammars and Cognition
- Fall 2015 LING646 – Cognitive Neuroscience of Language  
LING869 – Understanding and Discourse (*co-taught with Alexander Williams*)
- Spring 2015 LING440 – Grammars and Cognition  
NACS642 – Cognitive Neuroscience
- Spring 2014 LING440 – Grammars and Cognition  
NACS642 – Cognitive Neuroscience  
LING848 – Linguistic Prediction: Brains vs. Computers (*co-taught with Naomi Feldman and Hal Daume*)
- Fall 2013 LING646 – Cognitive Neuroscience of Language
- Spring 2013 LING440 – Grammars and Cognition  
NACS642 – Cognitive Neuroscience
- Fall 2012 LING646 – Cognitive Neuroscience of Language  
LING869 – Seminar in Neurolinguistics

***Advising***

---

*Ph.D. Committee Chair*

- 2017 Zoe Schlueter. *Memory retrieval in parsing and interpretation.*

*Ph.D. Co-advisor*

- 2014 Sol Lago. *Memory and prediction in cross-linguistic sentence comprehension.*
- 2013 Wing Yee Chow. *The temporal dimension of linguistic prediction.*

*Ph.D. Committee member*

- 2017 (NACS) Chris Heffner. *Language science meets cognitive science: Categorization and adaptation.*
- 2017 (NACS) Francisco Cervantes Constantino. *Sensory and perceptual codes in cortical auditory processing.*
- 2016 Shota Momma. *Parsing, generation, and grammar.*
- 2015 Dustin Chacon. *Comparative psychosyntax.*
- 2015 Naho Orita. *Computational modeling of the role of discourse information in language production and acquisition.*
- 2014 Dan Parker. *The cognitive basis for encoding and navigating linguistic structure.*
- 2013 (NACS) Nuria Abdulsabur. *The Neural Mechanisms Supporting Structure and Inter-Brain Connectivity In Natural Conversation*
- 2013 Shannon Barrios. *Similarity in L2 phonology.*
- 2013 Dave Kush. *Respecting relations: memory access and antecedent retrieval in incremental sentence processing.*
- 2011 Alex Drummond. *Binding phenomena within a reductionist theory of grammatical dependencies.*
- 2011 Joshua Riley-Graham. *Self-monitoring and feedback in disordered speech production.*

*Ph.D. advisor (in progress)*

- Jeffrey Green, Ph.D. expected 2018 (co-advisor)
- Eric Pelzl, Ph.D. expected 2018 (co-advisor, SLA)
- Nur Basak Karatas, Ph.D. expected 2018 (co-advisor, SLA)
- Michael McCourt, Ph.D. expected 2019 (co-advisor, PHL)
- Chia-Hsuan Liao, Ph.D. expected 2020
- Phoebe Gaston, Ph.D. expected 2020 (co-advisor)
- Mina Hirzel, Ph.D. expected 2021 (co-advisor)
- Hanna Muller, Ph.D. expected 2022 (co-advisor)

*M.A./Qualifying Paper Committee member*

- 2017 Anton Malko
- 2017 Nur Basak Karatas (SLA)
- 2016 Mattson Ogg (NACS)
- 2016 Chris Neufeld
- 2015/2016 Eric Pelzl (SLA)
- 2015 Rachel Adler (NACS)
- 2014 Jared Shamwell (NACS)
- 2014 Chris Heffner (NACS)
- 2014 Shota Momma (NACS)
- 2013 Francisco Cervantes Constantino (NACS)
- 2012 Sol Lago
- 2012 Megan Sutton
- 2012 Nathaniel Delaney-Busch (Tufts University)
- 2011 Pedro Alcocer

*Postdoc mentor*

- 2014-2016 William Matchin

*Full-year high school internship mentor*

2013-2014 Amina Iro (Eleanor Roosevelt HS)  
2013-2014 Uchenna Uzomah (Eleanor Roosevelt HS)

### ***Service***

---

2017- Language Science Center Graduate Committee  
2016- UMD Brain and Behavioral Initiative, Steering Committee  
2016- University Senate Representative  
2013- NACS Graduate Admissions Committee  
2013-2015 Collegiate Council Representative (ARHU)  
2013-2014 Linguistics faculty search committee (syntax position)  
2013-2014 Faculty mentor for Language Science Outreach Committee  
2013 Organizer for the 2013 Baggett Lectures Series featuring Stanislas Dehaene  
2013 Faculty advisor of Mayfest 2013 workshop ‘Linguistically Predictable’  
2013 Meeting Liaison, Society of the Neurobiology of Language  
2011-2014 Board member, Society of the Neurobiology of Language  
2010-2012 Co-organizer of ‘Why n How’ tutorial lecture series (MGH – Martinos Center)

### ***Reviewing***

---

#### *Study section (one-time)*

2016 National Science Foundation  
2016 National Institutes of Health

*Ad hoc journal reviewer: Behavioral Neuroscience, Bilingualism: Language and Cognition, Biological Psychology, Brain, Brain and Behavior, Brain and Language, Brain Research, Cerebral Cortex, Cognition, Cognitive Neuroscience, Cortex, eLife, Experimental Brain Research, Frontiers in Human Neuroscience, Human Brain Mapping, International Journal of Psychophysiology, Journal of Cognitive Neuroscience, Journal of Experimental Psychology: Learning, Memory & Cognition, Journal of Memory and Language, Journal of Neurolinguistics, Journal of Neuroscience, Language and Cognitive Processes, Language, Cognition and Neuroscience, Linguistic Inquiry, Nature Human Behavior, Nature Reviews Neuroscience, Neuroimage, Neuropsychologia, NeuroReport, Neuroscience & Biobehavioral Reviews, Neuroscience Letters, PLoS ONE, Proceedings of the National Academy of Sciences, Psychonomic Bulletin & Review, Psychophysiology, Second Language Research*

*Ad hoc funding agency reviewer: National Science Foundation, L’Agence Nationale de la Recherche*

*Ad hoc conference reviewer: Architecture and Mechanisms of Language Processing Conference Chicago Linguistics Society, CUNY Sentence Processing Conference, Semantics and Linguistic Theory Meeting, Society for the Neurobiology of Language*