

Curriculum Vitae

Elliott Moreton
Associate Professor, UNC-Chapel Hill Linguistics

September 26, 2018

1 Education

<i>Graduate:</i>	2002	University of Massachusetts, Amherst (Ph.D., Linguistics). Dissertation: <i>Phonological grammar in speech perception</i> , directed by John Kingston.
<i>Undergraduate:</i>	1988	Swarthmore College, Swarthmore, Pennsylvania (B.A., Mathematics, honors).

2 Professional experience

2009/7–	Associate Professor, Department of Linguistics, UNC-Chapel Hill.
2003/8–2009/3	Assistant Professor, Department of Linguistics, UNC-Chapel Hill.
2002/8–2003/8	Visiting Assistant Professor, Department of Linguistics, University of Southern California.
2000/8–2002/8	Postdoctoral fellow, Department of Cognitive Science, Johns Hopkins University.
1999/1–2000/1	Teaching assistant, Department of Linguistics, University of Massachusetts, Amherst.
1999/6–1999/8, 1998/8–1998/12	Research trainee, NTT Communication Science Research Laboratories, Atsugi, Japan.
1996/8–1998/6	Research assistant, Phonetics Lab, University of Massachusetts, Amherst.
1996/6–1996/8	Research assistant, Center for Human-Computer Interaction, Oregon Graduate Institute, Hillsboro, Oregon.
1993/7–1994/8	Research assistant, Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology.

3 Bibliography

This section includes journal articles, conference proceedings, and book chapters, but excludes unpublished talks. All items are single-authored unless otherwise indicated.

3.1 Published work

- 2019 Moreton, Elliott. Constraint breeding during on-line incremental learning. To appear in: *Proceedings of the Society for Computational Linguistics*, Vol. 2.
- 2018 Moreton, Elliott. Conditions on abruptness in a gradient-ascent Maximum Entropy learner. In: Gaja Jarosz and Joe Pater (eds.), *Proceedings of the Society for Computation in Linguistics*, Vol. 1, Article 13. Available at <http://scholarworks.umass.edu/scil/vol1/iss1/13>.
- 2017 Moreton, Elliott, Jennifer L. Smith, Katya Pertsova, Rachel Broad, and Brandon Prickett. Emergent positional faithfulness in novel English blends. *Language* 93 (2):347–380. doi:10.1353/lan.2017.0017.
- 2017 Moreton, Elliott, Joe Pater, and Katya Pertsova. Phonological concept learning. *Cognitive Science* 41 (1):4–69. doi:10.1111/cogs.12319. (Published online 2015.)
- 2017 Moreton, Elliott. Prosody-morphology interaction in English Diphthong Raising in a Mississippi dialect. *Southern Journal of Linguistics* 40 (2):15–58.
- 2017 Moreton, Elliott, and Katya Pertsova. Implicit and explicit processes in phonotactic learning. In: Jennifer Scott and Deb Waugtal (eds.), *Proceedings of the 40th Boston University Conference on Language Development*, pp. 277–290.
- 2016 Broad, Rachel, Brandon Prickett, Elliott Moreton, Katya Pertsova, and Jennifer L. Smith. Emergent faithfulness to proper nouns in novel English blends. In: Kyeongmin Kim, Pocholo Umbal, Trevor Block, Queenie Chan, Tanie Cheng, Kelli Finney, Mara Katz, Sophie Nickel-Thompson, and Lisa Shorten (eds.), *Proceedings of the 33rd Annual Meeting of the West Coast Conference on Formal Linguistics (WCCFL 33)*, 77–87.
- 2014 White, Andrew, Katherine Shaw, Fabian Monrose, and Elliott Moreton. Isn't that fantabulous: security, linguistic and usability challenges of pronounceable tokens. In: *Proceedings of the New Security Paradigms Workshop (NSPW), Victoria, British Columbia*. doi:10.1145/2683467.2683470.
- 2014 Moreton, Elliott, and Katya Pertsova. Pastry phonotactics: Is phonological learning special? In: Huang, Hsin-Lun, Ethan Poole and Amanda Rysling (eds.), *Proceedings of the 43rd Meeting of the North-East Linguistics Society (NELS)*, Vol. II, pp. 1–12.
- 2014 Shaw, Katherine E., Andrew M. White, Elliott Moreton, and Fabian Monrose. Emergent faithfulness to morphological and semantic heads in lexical blends. In: John Kingston, Claire Moore-Cantwell, Joe Pater, and Robert Staubs (eds.), *Proceedings of Phonology 2013*. Washington, D.C.: Linguistic Society of America.

- 2012 Moreton, Elliott. Inter- and intra-dimensional dependencies in implicit phonotactic learning. *Journal of Memory and Language* 67(1):165–183.
- 2012 Moreton, Elliott, and Joe Pater. Structure and substance in artificial-phonology learning. Part I, Structure. *Language and Linguistics Compass* 6 (11):686–701.
- 2012 Moreton, Elliott, and Joe Pater. Structure and substance in artificial-phonology learning. Part II, Substance. *Language and Linguistics Compass* 6 (11):702–718.
- 2012 Smith, Jennifer L., and Elliott Moreton. Sonority variation in Stochastic OT: implications for markedness hierarchies. In: Steve Parker (ed.), *The Sonority Controversy*, 167–194. Berlin and Boston: Walter de Gruyter.
- 2012 Pater, Joe, and Elliott Moreton. Structurally biased phonology: complexity in learning and typology. *Journal of the English and Foreign Languages University (Hyderabad)*, 3(2):1–44.
- 2009 Moreton, Elliott. Underphonologization and modularity bias. In: Steve Parker (ed.), *Phonological Argumentation: Essays on Evidence and Motivation*, Chapter 3, pp. 79–101. London: Equinox.
- 2008 Moreton, Elliott. Analytic bias and phonological typology. *Phonology* 25(1):1–45.
- 2008 Moreton, Elliott. Modelling modularity bias in phonological pattern learning. In: Natasha Abner, Jason Bishop, and Kevin Ryan (eds.), *Proceedings of the 27th West Coast Conference on Formal Linguistics (WCCFL)*, 1–16.
- 2008 Moreton, Elliott, Gary Feng, and Jennifer L. Smith. Syllabification, sonority, and perception: new data from a language game. In: Kjersti Stensrud, Rod Edwards, Patrick Midtlyng, and Colin Sprague (eds.), *Proceedings of the 41st Meeting of the Chicago Linguistics Society (CLS)*, 341–355.
- 2008 Moreton, Elliott. Analytic bias as a factor in phonological typology. In: Charles B. Chang and Hannah J. Haynie (eds.), *Proceedings of the 26th West Coast Conference on Formal Linguistics (WCCFL)*, 393–401.
- 2008 Moreton, Elliott, and Erik R. Thomas. Origins of Canadian Raising in voiceless-coda effects: a case study in phonologization. In: Jennifer S. Cole and José Ignacio Hualde (eds.), *Papers in Laboratory Phonology 9*, 37–64. Berlin: Mouton de Gruyter.
- 2004 Moreton, Elliott. Non-computable functions in Optimality Theory. In: John J. McCarthy (ed.), *Optimality Theory in Phonology: A Reader*, 141–164.
- 2004 Moreton, Elliott. Realization of the English postvocalic [\pm voice] contrast in F_1 and F_2 . *Journal of Phonetics* 32(1):1–33.
- 2002 Moreton, Elliott. Structural constraints in the perception of English stop-sonorant clusters. *Cognition* 84(1):55–71
- 2002 Moreton, Elliott, and Paul Smolensky. Typological consequences of local constraint conjunction. In: Line Mikkelsen and Chris Potts (eds.), *Proceedings of the 21st West Coast Conference on Formal Linguistics*, 306–319.

- 2001 Kingston, John, and Elliott Moreton. How do listeners learn foreign vowel categories: as disjunctive sets, through selective attention, or as prototypes? In: R. Smits, J. Kingston, T. M. Nearey, and R. Zondervan (eds.), *Proceedings of the Workshop on Speech Recognition as Pattern Classification*. Nijmegen: Max Planck Institute for Psycholinguistics.
- 1999 Moreton, Elliott. Evidence for phonological grammar in speech perception. In: J. J. Ohala, Y. Hasegawa, M. Ohala, D. Granville, and A. C. Bailey (eds.), *Proceedings of the 14th International Congress of Phonetic Sciences (ICPhS)*, 2215–2217.
- 1999 Moreton, Elliott, and Shigeaki Amano. Phonotactics in the perception of Japanese vowel length: evidence for long-distance dependencies. In: (anonymous editors), *Proceedings of the Sixth European Conference on Speech Communication and Technology (EUROSPEECH '99)*, 2679–2682.
- 1999 Moreton, Elliott, and Shigeaki Amano. The effect of lexical stratum phonotactics on the perception of Japanese vowel length. Technical Report of the Institute of Electronics, Information, and Communication Engineers, No. SP-99-48 (8 pp.).
- 1998 Moreton, Elliott, Shigeaki Amano, and Tadahisa Kondo. Statistical phonotactics of Japanese: transitional probabilities within the word. *Transactions of the Technical Committee on Acoustics of the Acoustical Society of Japan*, H-98-120 (8 pp.).
- 1998 Oviatt, Sharon L., Gina A. Levow, Elliott Moreton, and Margaret MacEachern. Modelling global and focal hyperarticulation during human-computer error resolution. *Journal of the Acoustical Society of America* 104(5):1–19.

4 Unpublished presentations

This section includes invited talks, as well as conference talks that were not subsequently published in conference proceedings.

- 2018 Moreton, Elliott. Featural-simplicity biases in phonological learning. Invited talk, Department of Linguistics, Rutgers University, March 9.
- 2018 Moreton, Elliott, and Jeff Mielke. Channel bias, inductive bias, and phonological typology (II). Talk presented at the Workshop on the Emergence of Universals, Ohio State University, February 20.
- 2018 Mielke, Jeff, and Elliott Moreton. Channel bias, inductive bias, and phonological typology (I). Talk presented at the Workshop on the Emergence of Universals, Ohio State University, February 20.
- 2018 Moreton, Elliott, Katya Pertsova, and Jennifer L. Smith. Pronounceable passwords from lexical blends. Talk in a showcase session on “Expanding the reach of linguistics: Collaborations with other disciplines and beyond”, Linguistic Society of America, Salt Lake City, January 6.

- 2018 Moreton, Elliott, and Katya Pertsova. Implicit and explicit processes in phonological learning. Talk in a special session on “Learning across domains: Implicit and explicit processes in inductive learning”, Linguistic Society of America, Salt Lake City, January 5.
- 2017 Moreton, Elliott. Emergent positional privilege in novel blend formation. Invited talk, Department of Linguistics, University of California, Los Angeles, March 18.
- 2017 Moreton, Elliott. Inside phonological learning. Invited talk, Department of Linguistics, University of California, Los Angeles, May 17.
- 2017 Moreton, Elliott. Emergent positional privilege in novel blend formation. Invited talk, Department of Linguistics, University of California, Santa Cruz, February 17.
- 2016 Pertsova, Katya, Metta Crouse, Elliott Moreton, and Jennifer Smith. Two types of multi-lexeme derivatives in Spanish. Poster presentation, “The Word and the Morpheme”, Berlin, September 22–24.
- 2016 Moreton, Elliott. Inside phonological learning. Invited talk, Department of Linguistics and Philosophy, MIT, March 11.
- 2015 Moreton, Elliott. Implicit and explicit processes in phonotactic learning. Invited talk, Department of Linguistics, University of California, Santa Cruz, Nov. 20.
- 2015 Moreton, Elliott, and Katya Pertsova. Implicit and explicit phonology: What are artificial-language learners really doing? Refereed talk presented at the 23rd Manchester Phonology Meeting (MFM), University of Manchester, May 28–30.
- 2015 Broad, Rachel, Elliott Moreton, Katya Pertsova, Brandon Prickett, and Jennifer L. Smith. Emergent faithfulness to proper nouns in English blends. Refereed talk given at the 33rd West Coast Conference on Formal Linguistics (WCCFL), Simon Fraser University, March 27.
- 2015 Moreton, Elliott. The comparative study of inductive bias. Invited talk given at the Deutsche Gesellschaft für Sprachwissenschaft (DGfS) annual meeting, University of Leipzig, Germany, March 5.
- 2014 Moreton, Elliott. Phonological concept learning: experiments and models. Invited talk given at the Linguistics Association of Great Britain (LAGB) Workshop on Learning Biases, The Queens College, Oxford University, September 5.
- 2014 Smith, Jennifer L., Elliott Moreton, Katya Pertsova, and Rachel Broad. Emergent noun faithfulness in novel English blends. Refereed talk given at the 22nd Manchester Phonology Meeting (MFM), May 31.
- 2014 Moreton, Elliott. Phonetic precursors and structural typology. Invited talk given at the Workshop on Sound Change, University of California, Berkeley, May 31.
- 2014 Moreton, Elliott. Biased learning in phonotactics and beyond. Invited talk given at the Phonetics and Experimental Phonology Laboratory, Department of Linguistics, New York University, April 11.
- 2013 Moreton, Elliott. Weightless MaxEnt: some affordances. Invited talk given at the Phonology Group, Department of Linguistics, University of Massachusetts, Amherst, Nov. 14.

- 2013 Moreton, Elliott. Biased learning in phonotactics and elsewhere. Departmental colloquium, Department of Linguistics, University of Massachusetts, Amherst, Nov. 14.
- 2012 Moreton, Elliott, and Katya Pertsova. Is phonological learning special? Refereed talk given at the 20th Manchester Phonology Meeting, University of Manchester (MFM), May 24.
- 2012 Moreton, Elliott, and Katya Pertsova. Is phonological learning special? Refereed talk given at the 48th Regional Meeting of the Chicago Linguistics Society (CLS), University of Chicago, April 21.
- 2011 Moreton, Elliott, and Joe Pater. Formally biased phonology: complexity in learning and typology. Talk given at the Linguistic Institute, University of Colorado, July 13.
- 2011 Moreton, Elliott. Complexity and phonetics in phonological learning. Invited talk given at the “brown-bag” series of the Linguistics Program, North Carolina State University, April 29.
- 2010 Moreton, Elliott. Constraint induction and simplicity bias in phonotactic learning. Invited talk presented at the Workshop on Grammar Induction, Cornell University, May 14.
- 2010 Moreton, Elliott. Connecting paradigmatic and syntagmatic simplicity bias in phonotactic learning. Invited talk presented at the departmental colloquium, Department of Linguistics, MIT, April 9.
- 2010 Moreton, Elliott. Constraint induction and simplicity bias. Invited talk given at the Workshop on Computational Modelling of Sound Pattern Acquisition, University of Alberta, February 14.
- 2008 Pater, Joe, Elliott Moreton, and Michael Becker. Simplicity biases in structured statistical learning. Poster at Boston University Conference on Language Development (BUCLD), Boston University, October 31.
- 2008 Modularity bias in learning and typology. Symposium on Phonologization, University of Chicago, April 25.
- 2007 Moreton, Elliott. Competition in perception grammar. Workshop on Experimental Approaches to Optimality Theory, University of Michigan, Ann Arbor, May 19.
- 2006 Moreton, Elliott. Phonotactic learning and phonological typology. Refereed talk given at the 37th Annual Meeting of the North-East Linguistics Society (NELS), University of Illinois at Urbana-Champaign, October 14.
- 2004 Phonotactic constraints, frequency, and legality in English onset-cluster perception. Abstract in: *Journal of the Acoustical Society of America* 115 (5, Part 2):2630.
- 2004 Moreton, Elliott. Diachronically inaccessible grammars: a diachronic-phonetic study of the English /ai/ alternations. Presentation at the Workshop on Redefining Elicitation: Novel Data in Phonological Theory, New York University, April 9 11.
- 2003 Moreton, Elliott. Phonological grammar in speech perception: Evidence from English stop-sonorant clusters. Talk presented at UNC-Chapel Hill Department of Linguistics, February 7.

- 2003 Moreton, Elliott. Phonological grammar in speech perception: Evidence from English stop-sonorant clusters. Talk presented at the University of Chicago Department of Linguistics, January 30.
- 2003 Moreton, Elliott. Evidence for phonological grammar in speech perception. Presentation at the workshop on Markedness and the Lexicon, MIT, January 24/25.
- 2002 Moreton, Elliott. *Tight* and *tide*: consonant voicing and English diphthongs. Invited talk given at the Spring Linguistics Colloquium, UNC-Chapel Hill, April 27.
- 2002 Moreton, Elliott. Realization of the English postvocalic [voice] contrast in F1 and F2. Abstract in: *Journal of the Acoustical Society of America* 112(5, Part 2):2248.
- 2002 Moreton, Elliott. Strengthening of diphthong upglides before [–voice] stops in English. Presentation at the Linguistic Society of America, January 5.
- 2001 Moreton, Elliott. Structural constraints in the perception of English stop-sonorant clusters. Abstract in: *Journal of the Acoustical Society of America* 110(5, Part 2):2737.
- 2001 Moreton, Elliott. Probability and possibility in the perception of English stop-sonorant clusters. Invited talk presented at Swarthmore College, May 29, 2001.
- 2001 Arnold, Karen, Elliott Moreton, and Paul Smolensky. Acquisition of nasal place assimilation by 4.5-month-old infants. Presentation at Hopkins-UMD-Rutgers-UMass (HUMDRUM) Conference, May 5-6.
- 2000 Moreton, Elliott. Optimality-Theoretic grammar in speech perception. Invited talk presented at the University of California, Irvine, Department of Linguistics, March 8.
- 2000 Moreton, Elliott. Optimality-Theoretic grammar in speech perception. Invited talk presented at the University of California, Los Angeles, Department of Linguistics, Feb. 15.
- 1998 Kingston, John, and Elliott Moreton. Discovery of natural categories by non-native listeners. Abstract in: *Journal of the Acoustical Society of America* 103(5, Part 2):2986.
- 1997 Moreton, Elliott. Phonotactic rules in speech perception. Abstract in: *Journal of the Acoustical Society of America* 102(5, Part 2):3091-3092.
- 1997 Kusumoto, Kiyomi, and Elliott Moreton. Native language determines parsing of non-linguistic rhythmic stimuli. Abstract in: *Journal of the Acoustical Society of America* 102(5, Part 2):3204.

5 Teaching

5.1 UNC–Chapel Hill

- (UG) Linguistics 101, Introduction to Language (Fall 2004, Fall 2005, Fall 2012, Fall 2014).
- (UG) Linguistics 101H, Honors Introduction to Language (Spring 2005, Fall 2009).

- (UG) Linguistics 200, Sound Patterns in Language (Spring 2004, Spring 2005, Spring 2008, Fall 2008, Spring 2010, Spring 2012, Fall 2012, Spring 2014, Fall 2015, Fall 2016, Spring 2018, Fall 2018).
- (UG) Linguistics 202, Language Change (Spring 2009).
- (UG) Linguistics 333, Human Language and Animal Communication Systems (Spring 2006, Spring 2008, Spring 2011, Spring 2013, Spring 2015, Spring 2017).
- (UG/G) Linguistics 415/422, Research Methods in Experimental Phonetics and Laboratory Phonology (Fall 2006, Fall 2008, Fall 2010, Spring 2012, Spring 2014, Fall 2018).
- (UG/G) Linguistics 415/444, Origins and Evolution of Language (co-taught with Paul Roberge, Spring 2010, Fall 2011)
- (UG/G) Linguistics 490/526, Second Language Phonetics and Phonology (Fall 2015, Fall 2017)
- (UG/G) Linguistics 520, Linguistic Phonetics (Fall 2003, Fall 2004, Fall 2006, Fall 2007, Fall 2009, Fall 2011, Fall 2014, Fall 2016, Fall 2017).
- (G) Linguistics 523, Phonology I (Spring 2004, Spring 2006, Spring 2009, Spring 2011, Spring 2013, Spring 2015, Spring 2017).
- (G) Linguistics 524, Seminar in Phonology: Phonologization (Fall 2005).
- (G) Linguistics 524, Seminar in Phonology: Acquisition of Phonology (Fall 2007).

5.2 Linguistic Institute (summer school of the Linguistic Society of America)

- (G) Linguistics 224, Phonological Learning and Typology (Summer 2009).

5.3 University of Southern California

- (UG) Linguistics 301, Phonetics and Phonology (Spring 2003).
- (G) Linguistics 531, Phonology A (Fall 2002).
- (G) Linguistics 631, Seminar in Phonology: Phonological Opacity. Co-taught with Rachel Walker (Fall 2002).
- (G) Linguistics 631, Seminar in Phonology: Topics in Prosodic Morphology and the Morphology/Phonology Interface (Spring 2003).

5.4 Johns Hopkins University

- (G) Seminar on Competence and Performance. Co-taught with Matt Goldrick and Paul Smolensky (Spring 2001).

5.5 University of Massachusetts–Amherst

- (UG) Linguistics 201, Introduction to Formal Linguistics (Spring 1999, Spring 2000).
(UG) Linguistics 415, Phonetics (Fall 1999).

6 Graduate theses directed

This section does not include service on thesis committees where someone else was the thesis advisor.

6.1 Defended

- MA Carter, William. 2018. *Implicit and explicit acquisition of opacity: initial evaluations of a dual-system model of grammar*. UNC-Chapel Hill.
MA Eisenbarth, Brent. 2018. *Reading lips and learning sounds: the effect of visual cue saliency on phonological production in a second language*. UNC-Chapel Hill.
PhD Moeng, Emily. 2018. *The acquisition of phonetic categories*. UNC-Chapel Hill.

6.2 Completed

- MA Boone, Haley. 2018. *Phonetic motivation for diachronic sound change in Bantu languages as evidenced by voiceless prenasalized stop perception by native Somali Chizigula speakers*. UNC-Chapel Hill.
MA Prickett, Brandon. 2015. *Complexity and Naturalness in First Language and Second Language Phonotactic Learning*. UNC-Chapel Hill.
MA Zhu, Siyun. 2014. *A study on Mandarin focus produced by English L2 learners*. UNC-Chapel Hill.
PhD Kohn, Mary E. 2013. *Adolescent ethnolinguistic stability and change: a longitudinal study*. UNC-Chapel Hill. (Co-chair: Erik R. Thomas, Department of English, NCSU.)
MA Shaw, Katherine E. 2013. *Head faithfulness in lexical blends: a positional approach*. UNC-Chapel Hill.
MA Fischer, Lucía. 2013. *Sgaw Karen as spoken by a member of the local North Carolina community: a phonetic analysis and phonemic transcription*. UNC-Chapel Hill.
MA Moeng, Emily. 2012. *Do phonologically active classes warp the perceptual space?* UNC-Chapel Hill.
MA Griffin, Jennifer. 2011. *Variation and gradience in a noisy harmonic grammar with lexically-indexed constraints: the case of Spanish s-deletion and aspiration*. UNC-Chapel Hill.
MA Drozdiak, Alice. 2011. *Identifying and describing prosodic domain interaction with duration and hyperarticulation*. UNC-Chapel Hill.
PhD Clayton, Ian. 2010. *A natural history of preaspiration*. UNC-Chapel Hill.

- PhD Li, Yu. 2007. *Differential acquisition of phonemic contrasts by infant word learners: Does production recapitulate perception?*. UNC-Chapel Hill. (Co-chair: Reiko Mazuka, Duke University and RIKEN Brain Science Institute, Tokyo.)
- MA Spears, Abby. 2006. *Nasal coarticulation in the French vowel /i/: a phonetic and phonological study*. UNC-Chapel Hill.

7 Undergraduate research mentoring

This section does not include service on thesis committees where someone else was the thesis advisor.

1. Carter, William. 2017. *Phonological activeness effects in language acquisition and language structuring*. Senior Honors thesis, UNC-Chapel Hill.
2. Prickett, Brandon. 2014. *The effect of complexity vs. the effect of naturalness on phonological learning*. Senior Honors thesis, UNC-Chapel Hill. Presented as a poster at the 22nd Manchester Phonology Meeting, May 29–31.
3. Hauser, Ivy. 2013. *Sonority as a primitive: evidence from phonological inventories*. UNC SURF (Summer Undergraduate Research Fellowship). Presented as a talk at WCCFL, Feb. 8–10.
4. Reyes, Kayleigh. 2012. *Inventory size and complexity in the song of the American Robin*. Independent study, UNC-Chapel Hill. Abstract in *Journal of the Acoustical Society of America* 132 (3): 1979.

8 Grants

\$639,532	2017–2020	NSF # BCS 1651105+1650957, “Inside phonological learning”. Collaborative proposal with UMass-Amherst (EM PI of 1651105, Katya Pertsova co-PI; Joe Pater PI of 1650957, Lisa Sanders co-PI).
>\$2500	2016	Institute for the Arts and Humanities, Espy Family Faculty Fellowship Fund (competitive one-semester leave, plus \$2500 research support).
\$6,080	2015–16	NSF #BCS 1451792, “The acquisition of phoneme categories”; Doctoral Dissertation Research Improvement Award (Emily Moeng, doctoral student).
\$3,920	2015–17	University Research Council, Account #29100, “Rational and intuitive learning in early second-language acquisition”.
\$750	2014	Graduate Research Consultant grant, UNC-Chapel Hill, for LING 333 “Human Language and Animal Communication Systems”.
\$499,997	2013–2016	NSF #CNS 1318520, “Towards pronounceable authentication strings” (co-PI with Fabian Monrose, PI, and Jennifer Smith, co-PI).
\$6,000	2009	Associate Professor support, Account #6–34366.

\$750	2006–2008	University Research Council Grant #3–12879 “Learning bias and linguistic typology: an experimental study”.
\$7,500	2007	Junior Faculty Development Award # 6–69475.
\$1,500	2006	Course development grant from the Office of Undergraduate Curricula.
\$1,000	2004–2006	University Research Council Grant #3–12811, “‘Canadian Raising’ in the Western Reserve area of Ohio: a case study in phonologization”.

9 Professional service

9.1 To discipline

- Editorial board member for *Phonology*, 2013–present.
- Journal referee for *The Journal of the Acoustical Society of America*; *Journal of Phonetics*; *Diachronica*; *Phonology*; *Language Acquisition*; *Language*; *Cognition*; *Language Acquisition*; *Language and Linguistics Monographs*; *Journal of Experimental Psychology: Learning, Memory, and Cognition*; *Laboratory Phonology*, *Cognitive Processing*.
- Panelist reviewer for the National Science Foundation (USA) (Linguistics; Doctoral Dissertation Research Improvement Grants).
- Ad-hoc grant reviewer for the National Science Foundation (USA), the Social Sciences and Humanities Research Council (Canada), and Foundation for Polish Science.
- Conference referee for the North-East Linguistics Society, West Coast Conference on Formal Linguistics, and Western Conference on Linguistics.

9.2 Within UNC-Chapel Hill

- Director of Graduate Admissions for the Department of Linguistics, 2005–present.
- Director of Graduate Studies for the Department of Linguistics, 2009–present.
- Diversity Liaison for the Department of Linguistics, 2012–2016.
- Faculty Council representative for tenured faculty in the Division of the Humanities, 2012–2016.
- Member of the University-wide Committee on Financial Exigency and Programmatic Change, 2013–2016.
- Active service on faculty search committees (2004–5 and 2007–8).
- Active service on ad-hoc departmental committee on creating the Linguistics BA/MA program, 2010–2011.
- Active service on ad-hoc interdepartmental committee (Linguistics and Romance Languages) on creating a dual MA and PhD degree program, 2012–present.