

Matthew T. Carlson
Assistant Professor of Spanish and Linguistics
The Pennsylvania State University
May 8, 2013

EMPLOYMENT

Jan. 2012-July 2013: Assistant Professor of Psychology
The University of Texas at El Paso

EDUCATION and TRAINING

2007-2011: Postdoctoral Fellow (2007-9), Postdoctoral Scholar and National Academy of
Education/Spencer Foundation Postdoctoral Fellow (2009-2011)
Department of Psychology, University of Chicago
NIH Training Grant HD043729-05
Mentors: Susan Goldin-Meadow, Susan Levine

2007 Ph.D. in Hispanic Linguistics, option in Applied Linguistics
 Pennsylvania State University, University Park, PA
 Dissertation: The acquisition of probabilistic patterns in Spanish
 phonology by adult second language learners: The case of
 diphthongization, Dr. Chip Gerfen, director

GRANTS AND FELLOWSHIPS

2009 National Academy of Education/Spencer Foundation Postdoctoral Fellowship,
 \$55,000: *The influence of lexical and phonological complexity on preschool
 vocabulary growth*

2008-9 Spatial Intelligence and Learning Center, University of Chicago (NSF SBE-
 0541957) Mini Research Grant, \$3000: *Gesture and working memory in
 bilinguals*

2006-7 National Science Foundation Dissertation Improvement Grant BCS-0544969,
 \$11,836: *The acquisition of probabilistic patterns in Spanish phonology by adult
 foreign language learners*, under the direction of Dr. Chip Gerfen, dissertation
 advisor

PUBLICATIONS

Articles and chapters:

Carlson, M. T. & Gerfen, C. (2011). Spanish diphthongizing stems: productivity, processing, and
the shaping of the lexicon. *The Mental Lexicon* 6(3), 351-373.

Carlson, M. T. & Gerfen, C. (2011). Productivity is the key: morphophonology and the riddle of
alternating diphthongs in Spanish. *Language* 87(3), 510-538.

- Carlson, M. T., Bane, M., and Sonderegger, M. (2011). Global properties of the phonological networks in child and child-directed speech. in N. Danis, K. Mesh, & H. Sung (Eds.) *Proceedings of the 35th Boston University Conference on Language Development* (pp. 97-109). Vol. 1. Somerville, MA: Cascadilla Press.
- Carlson, M. T. (2006). The development of fine-grained phonological knowledge in adult second language learners of Spanish. *The Southwest Journal of Linguistics*. 25(2), 75-105.
- Hall, J. K.; Cheng, A.; and Carlson, M. T. (2006). Reconceptualizing multicompetence as a theory of language knowledge. *Applied Linguistics* 27(2), 220-240.
- Carlson, M. T. (2004). A critical look at the construction of power between Applied Linguistics and Critical Applied Linguistics. *International Journal of Applied Linguistics*. 14(2), 167-84.
- Carlson, M. T. (2003). Preverbal elements in non-agentive Spanish predicates: Theta roles, case, and control. in P. Kempchinsky and C.-E. Piñeros (Eds.) *Theory, Practice, and Acquisition: Papers from the 6th Hispanic Linguistics Symposium and the 5th Conference on the Acquisition of Spanish and Portuguese* (pp. 121-139). Somerville, MA: Cascadilla Press.

Papers and posters presented:

- Demir, E., Carlson, M. T., Levine, S., & Goldin-Meadow, S. (2013). *Summer setback: The impact of time off from school on reading in children with brain injury*. Poster presented at the Society for Research on Child Development, Seattle, WA.
- Carlson, M. T., Demir, E., Goldin-Meadow, S., & Levine, S. (2013). *Using the path of early MLU growth to predict later syntactic development*. Poster presented at the Society for Research on Child Development, Seattle, WA.
- Carlson, M. T., Sonderegger, M., & Bane, M. (2013). *The impact of phonological network structure on children's word learning: A survival analysis*. Paper presented at the Annual Meeting of the Linguistic Society of America, Boston, MA.
- Poepsel, T., Gerfen, C.; & Carlson, M.T. (2012). *On the perception of gay-sounding male speech by non-native speakers of English*. Paper presented at the Second Language Research Forum, Pittsburgh, PA.
- Seibert Hanson, A.; Gerfen, C.; & Carlson, M. T. (2012). *The challenge of Spanish clitic acquisition: Aural vs. visual processing*. Paper presented at the Second Language Research Forum, Pittsburgh, PA.
- Carlson, M. T., Sonderegger, M., & Bane, M. (2012). *The impact of phonological network structure in child-directed speech on children's word learning: A survival analysis*. Paper presented at the Language and Network Science Satellite Symposium (Organizers: Michael Vitevitch, Matthew T. Carlson, Morgan Sonderegger, Max Bane), NetSci 2012, Evanston, IL.
- Piñar, P., Dussias, G., Carlson, M. T., & Morford, J. (2011). *Contextualizing the reading patterns of deaf individuals within studies on bilingual sentence processing*. Paper presented at the 8th International Symposium on Bilingualism, Oslo, Norway.
- Carlson, M. T., Bane, M., & Sonderegger, M. (2011). *A graph-theoretic approach to phonological networks in child and child-directed speech: A longitudinal perspective*. Paper

- presented at Illinois Speech Day 2011, Chicago, IL.
- Carlson, M. T. (2011, May). *Modeling lexical richness in child and child-directed speech*. Poster presented at Illinois Speech Day 2011, Chicago, IL.
- Carlson, M. T., Sonderegger, M., & Bane, M. (2010, November). *Global properties of the phonological network in child-directed speech*. Paper presented at the 35th Boston University Conference on Language Development, Boston, MA.
- Carlson, M. T. (2010, November). *Phonological complexity in the developing lexicon*. Talk presented at the 2010 NAEd/Spencer Foundation Annual Meeting and Fellows Retreat, Washington, DC.
- Carlson, M. T., Sonderegger, M., & Bane, M. (2010, October). Global properties of the phonological network in child and child-directed speech. Talk presented at the 2010 Mid-Continental Workshop on Phonology, Evanston, IL.
- Carlson, M. T. (2010, February). *Using the developing lexicon to track phonological development in preschoolers*. Talk presented at the 2010 NAEd/Spencer Foundation postdoctoral fellows retreat, Washington, DC.
- Carlson, M. T., Balukas, C., and Gerfen, C. (2010, January). *Suffix productivity and stem allomorph markedness in Spanish derivations with alternating diphthongs*. Paper presented at the annual meeting of the Linguistic Society of America, Baltimore, MD.
- Carlson, M. T. and Gerfen, C. (2009, October). *Affix productivity, processing, and the problem of Spanish diphthong/monophthong alternations*. Invited talk at the Center for Language Science, Pennsylvania State University, University Park, PA.
- Carlson, M. T. and Goldin-Meadow, S. (2009, July). *Manual gesture and the management of cognitive load in bilinguals*. Paper presented at the 7th International Symposium on Bilingualism, Utrecht, Netherlands.
- Duncan, S.; Van Deusen Phillips, S. B.; & Carlson, M. T. (2009, July). *Compensation or integration: Gesture use in L1 and L2 storytelling*. Paper presented at the 7th International Symposium on Bilingualism, Utrecht, Netherlands.
- Carlson, M. T. and Gerfen, C. (2009, June). *Gradient morphophonological patterns in adult learning of L2 Spanish: Data from the processing of novel derivations*. Paper presented at Multiple Perspectives on the Critical Period for Language, Columbus, OH.
- Carlson, M. T. and Goldin-Meadow, S. (2009, March). *Manual gesture and the management of cognitive load in bilinguals*. Poster presented at GURT, Georgetown University, Washington, DC.
- Carlson, M. T. (2008, October). *Gradient well-formedness and the timecourse of processing of novel derivations in Spanish*. Invited talk at the Workshop on Language, Cognition, and Computation, University of Chicago, Chicago, IL.
- Carlson, M. T. and Goldin-Meadow, S. (2008, September). *Lightening the cognitive load of bilinguals: the role of manual gesture*. Poster presented at the Ghent Workshop on Bilingualism, Ghent, Belgium.

- Carlson, M. T. (2008, March). *Gradient morphophonological patterns in adult learning of L2 Spanish*. Invited talk at Northwestern University, Evanston, IL.
- Carlson, M. T. (2008, February). *Gradient morphophonological well-formedness: The processing of neologisms in lexical decision*. Invited talk at Northwestern University, Evanston, IL.
- Carlson, M. T., and Gerfen, C. (2008, January). *The impact of gradient morphophonological patterns on the processing of novel derivations*. Paper presented at the annual meeting of the Linguistic Society of America, Chicago, IL.
- Carlson, M. T., and Gerfen, C. (2007, September). *The impact of gradient morphophonological patterns on monolingual and bilingual processing of novel derivations*. Poster presented at the Rovereto Workshop on Bilingualism, Rovereto, Italy.
- Carlson, M.T. (2007, March). *The acquisition of probabilistic phonological patterns in adult learners of Spanish as a second language*. Poster presented at the Pennsylvania State University Graduate Exhibition, University Park, PA.
- Carlson, M.T. (2006, November). *El aprendizaje de patrones probabilísticos en la fonología española por anglohablantes adultos*. Invited talk at the University of Granada, Spain.
- Carlson, M. T. (2005, March). *Sensitivity to probabilistic phonological patterns in the early stages of adult English Spanish bilingualism*. Paper presented at the Fifth International Symposium on Bilingualism, Barcelona, Spain.
- Carlson, M. T. (2004, October). *The acquisition of fine-grained phonological knowledge in adult second language learners of Spanish*. Paper presented at the Second Language Research Forum, Penn State University.
- Carlson, M. T., and Lantolf, J. P. (2003, March). *Mind making in the private writing of L2 learners*. Paper presented at the AAAL annual conference, Arlington, VA.
- Carlson, M. T., and Lantolf, J. P. (2002, October-November). *The Mind on Paper: Private Writing in the Notebooks of Second Language Learners*. Paper presented at the 9th annual meeting of the Sociocultural and Second Language Learning Research Working Group, Florida State University.
- Carlson, M. T. (2002, October). *Preverbal Elements in Non-agentive Spanish Predicates: Theta Roles, Case, and Control*. Paper presented at the 6th Hispanic Linguistics Symposium, University of Iowa.

TEACHING

- 2012-present University of Texas at El Paso, Department of Psychology
 PSYC 4316 Language and Cognition
 PSYC 4317 Advanced Statistics
 PSYC 3201/3101 General Experimental Psychology
- 2010 Urban Education Institute, University of Chicago.
 Course: Human Development and Learning

2008 School of Education, Loyola University at Chicago
 Course: Research Methods in Second Language Acquisition

2002-2006 Penn State University
 Coordinator, Basic Language Program
 Linguistics 100, Foundation of Linguistics
 Spanish 414: Spanish Phonology
 Supervisor, Spanish 2
 Spanish 1-3: Basic Spanish sequence

1997-2001 Oxbow High School, Bradford, VT
 Teacher, first-fifth year Spanish, grades 8-12

THESIS COMMITTEES

2013 Clarissa Navedo (MA, Speech Language Pathology), *Benefits of baby sign on cognitive development in infants*. University of Texas at El Paso.

2013 Sonya Stokes (MA), University of Texas at El Paso.

2012 Aroline Seibert Hanson (PhD), *How second language learners process argument structure: The effects of first language and individual differences*. The Pennsylvania State University (outside committee member).