

## Amy LaCross

Department of Speech and Hearing Science, Arizona State University, Tempe, Arizona 85287

Department of Linguistics, University of Arizona, Tucson, Arizona 85721, USA

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### EDUCATION

<i>University of Arizona</i> <b>Ph.D. in Linguistics</b> Major: Phonology Minor: Cognitive Science	<b>2011</b>
<i>University of Arizona</i> <b>M.A. in Linguistics</b>	<b>2008</b>
<i>College of St. Benedict, St. Joseph, MN</i> <b>B.A. Distinction in English</b> Areas of Concentration: Literature and Creative Writing Minor: Secondary Education, Language Arts Concentration	<b>2001</b>
<i>Southwest China Normal University, Beibei, China.</i> <b>Study Abroad Program</b>	<b>1999</b>

### EMPLOYMENT

Arizona State University, Tempe, Arizona Research Assistant Professor Department of Speech and Hearing Science	<b>June 2014 – present</b>
University of Arizona, Tucson, Arizona Adjunct Lecturer Department of Linguistics	<b>May 2014 – present</b>
University of Arizona, Tucson, Arizona Postdoctoral Researcher Department of Physiology, Bailey Lab	<b>April 2012 – May 2014</b>
Universität Potsdam, Potsdam Germany Postdoctoral Researcher/Instructor Department of Linguistics, Excellence Area of Cognitive Science	<b>October 2011-April 2012</b>

### RESEARCH INTERESTS

Phonology, articulatory and acoustic phonetics, neurophysiology, neurophonetics, motor speech disorders, cognitive science, vowel harmony, psycholinguistics: lexical access and phonological representations, Mongolian phonology and psycholinguistics, prosodic phonology, syllabification, orthography, sociolinguistics, language preservation and revitalization, and Semitic morphology.

### PUBLICATIONS

(Forthcoming). Khalkha Mongolian speakers' vowel bias: The acquisition of nonadjacent vocalic dependencies. *Language, Cognition and Neuroscience (previously Language and Cognitive Processes)*.

(2012). Non-adjacent phonological dependency effects on Khalkha Mongolian speech perception. *Proceedings: WCCFL 29*, pp. 143-151.

(2010). How specialized are specialized corpora? Behavioral evaluation of corpus representativeness for Maltese. With Jerid Francom & Adam Ussishkin. Proceedings: *Language Resource Evaluation Conference*, Malta, May 2010. pp. 421-427.

(2006). Book review: The Phonology of Mongolian by Svantesson et al. *Linguist List* 17.2300.

(2005). Language! Curriculum modifications for a small, non-traditional school. *Minnesota English Journal* (1) 41, pp. 55-60.

## IN SUBMISSION

Tongue muscle motor unit activities during vowel articulation. With P.J. Watson & E.F. Bailey. *Ms.*

## CONFERENCE PRESENTATIONS

(2014). Temporal characteristics of vowel articulation. Poster Presentation. With E.F. Bailey. *Acoustical Society of America*, Providence, RI.

(2014). Single motor unit activity in the genioglossus during phonated and whispered vowel articulations. With E.F. Bailey & P.J. Watson. *Motor Speech Conference*, Sarasota, FL.

(2013). Single motor unit activity in the genioglossus during speech production. With S. Takano, I.J. Kidder, P.J. Watson, & E. F. Bailey. *Linguistic Society of America Annual Meeting*, Boston, MA.

(2012). Single motor unit activity in the genioglossus muscle during vowel articulation. Poster Presentation. With S. Takano, I.J. Kidder, P. J. Watson, & E. F. Bailey. *Acoustical Society of America*, Kansas City, MO.

(2012). Genioglossus motor unit activities in quasi-speech tasks. Poster Presentation. With S. Takano, P.J. Watson, & E.F. Bailey. *Society for Neuroscience*, New Orleans, LA.

(2012). "Native language biases of Khalkha Mongolian speakers in the acquisition of non-adjacent phonological dependencies" *Old World Conference on Phonology*, Berlin, Germany.

(2012). "Native language biases in the acquisition of non-adjacent phonological dependencies: An artificial grammar learning task with Khalkha Mongolians." *LSA Annual Meeting*, Portland, OR.

(2011). "Non-adjacent phonological dependency effects: Three experiments on Khalkha Mongolian speech perception." *WCCFL 29*, Tucson, AZ.

(2011). "Non-adjacent phonological pattern effects on Khalkha Mongolian speech perception." *LSA Annual Meeting*, Pittsburgh, PA.

(2010). "Language revitalization and preservation: A look at Mongolia." *American Center for Mongolian Studies 2<sup>nd</sup> Annual Conference*, Ulaanbaatar, Mongolia.

(2010). "Regularity and vowel harmony: Statistical learning and rule abstraction." *LSA Annual Meeting*, Baltimore, MD.

(2009). "Results from a study on Maltese verb familiarity." With Adam Ussishkin. *2<sup>nd</sup> International Conference on Maltese Linguistics*, Bremen, Germany.

(2008). "Faithfulness and positional licensing: The MATCH constraint in Khalkha Mongolian [ATR] vowel harmony. Poster Presentation. *Manchester Annual Phonology Meeting*, Manchester, UK.

(2008). "Morphological family size in Hebrew auditory lexical decision." With Jordan Brewer and Adam Ussishkin. *LSA Annual Meeting*, Chicago, IL.

(2008). "Experimental evidence for the role of syllable structure in lexical access." Poster Presentation. *LSA Annual Meeting*, Chicago, IL.

## INVITED TALKS

(2014). The temporal basis of vowel articulation: An electromyographic investigation of the 'articulatory period.' *University of Arizona, Linguistics Department*, Tucson, Arizona.

(2013). Motor unit activity of the genioglossus during vowel production. *University of Arizona, Speech, Language and Hearing Sciences Department*, Tucson, Arizona.

(2011). "The role of language-specific phonology: Tracking linguistic variables in Khalkha Mongolian." *Universität Potsdam, Department of Linguistics*, Potsdam, Germany.

(2010). "Speech perception in Khalkha Mongolian: A psycholinguistic survey." *Speakers' Series*, American Center for Mongolian Studies, Ulaanbaatar, Mongolia.

(2009). "Harmonic class priming: Evidence from a pilot on Khalkha Mongolian." *Institute of Linguistics*, University of Malta, Msida, Malta.

(2009). "The root in Semitic languages." With Adam Ussishkin. *Institute of Linguistics*, University of Malta, Msida, Malta.

(2008). "A hybrid model of the Semitic lexicon: Psycholinguistic evidence from Hebrew." With Adam Ussishkin. *Tel Aviv University*, Tel Aviv, Israel.

(2008). "Semitic morphology: Root-based and word-based." With Adam Ussishkin. *Workshop on Semitic Morphology: Root-based or Word-based*, Hebrew University, Jerusalem, Israel.

## TEACHING EXPERIENCE

### UNIVERSITÄT POTSDAM:

Phonetics (*undergraduate*) **Fall 2011**

Seminar: Non-adjacent dependencies (*undergraduate/graduate*) **Fall 2011**

### UNIVERSITY OF ARIZONA:

Mind, Self & Language (2 sections: Section Instructor) **Spring 2011**  
(*undergraduate general education course on linguistics*)

Language Acquisition (Sole Instructor) **Summer 2009, 2008, 2007**

Introduction to Phonology (Teaching Assistant) **Spring 2008**

Introduction to Phonetics (Teaching Assistant) **Fall 2007**

## PREVIOUS RESEARCH EXPERIENCE

Douglass Phonetics Lab, *University of Arizona* **Summer 2011, Fall 2006**  
**Research Assistant**

American Center for Mongolian Studies, *Ulaanbaatar, Mongolia* **2010-2011**  
**Research Fellow**

Psychol Lab, *University of Arizona* **2008-2009, Spring 2007**  
**Research Assistant/Lab Manager**

Mutsun Revitalization Project, <i>University of Arizona</i> <b>Research Assistant</b>	<b>Summer 2006</b>
Spam Lab, <i>University of Arizona</i> <b>Research Assistant/Lab Manager</b>	<b>2005-2006</b>

## ADDITIONAL RELEVANT EXPERIENCE

Department of Linguistics, <i>University of Arizona</i> <b>Undergraduate Advisor</b>	<b>2008-2009</b>
City Academy High School, <i>St. Paul, MN</i> <b>English Teacher</b> (Literacy, Grammar, Literature, Writing and Film Studies)	<b>2003-2005</b>
Peace Corps Mongolia, <i>Baruun-Urt, Mongolia</i> <b>Teacher Trainer</b>	<b>2001-2003</b>
Elk River School District, <i>Elk River, MN</i> <b>Student Teacher</b>	<b>2001</b>
Southwest China Normal University, <i>Beibei, China</i> <b>Guest Teacher/Volunteer Tutor</b>	<b>1999</b>

## GRANTS

<b>Doctoral Fellowship</b> American Center for Mongolian Studies, <i>Ulaanbaatar, Mongolia</i>	<b>2010-2011</b>
<b>Travel Grant</b> Cognitive Science Program, <i>University of Arizona</i>	<b>2008</b>

## UNIVERSITY, COMMITTEE AND DEPARTMENT SERVICE

Sound Minds, <i>University of Arizona</i> <b>Organizer</b>	<b>2008-2009</b>
Graduate Linguistic Society, <i>University of Arizona</i> <b>Secretary</b>	<b>2007</b>
Linguistics Department Colloquium, <i>University of Arizona</i> <b>Co-Organizer</b>	<b>2006</b>

## LANGUAGES

English and Khalkha Mongolian (fluent), knowledge of German, Modern Hebrew, Maltese, American Sign Language, Mandarin and Spanish