

Emily Cibelli

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CONTACT INFORMATION	Northwestern University Department of Linguistics 2016 Sheridan Rd. Evanston, IL 60208 USA E-mail: emily.cibelli@northwestern.edu Website: http://faculty.wcas.northwestern.edu/~esc642
RESEARCH INTERESTS	Speech perception and production, Categorization, Interactive models of language processing, The neural representation of speech, Bilingualism and second language acquisition, Speech and language use in diverse populations and clinical contexts
ACADEMIC APPOINTMENTS	<p>Postdoctoral research associate Department of Linguistics, Northwestern University September 2015 - present</p> <p>Lecturer Department of Linguistics, Northwestern University September 2015 - June 2017</p> <p>Undergraduate advisor Department of Cognitive Science, Northwestern University September 2015 - June 2017</p>
EDUCATION	<p>Ph.D., Linguistics August 2015 University of California, Berkeley <i>Dissertation:</i> Aspects of articulatory and perceptual learning in novel phoneme acquisition <i>Committee:</i> Keith Johnson (chair), Susanne Gahl, Robert Knight</p> <p>M.A., Linguistics August 2011 University of California, Berkeley</p> <p>B.A., Cognitive and Linguistic Sciences June 2009 Wellesley College</p> <p>Visiting student Spring 2008 National University of Ireland, Galway</p>
FUNDING	<p>W Award, Northwestern University 2017-2018 \$35,000 for research support for one year. Goldrick, M., Mittal, V., & Cibelli, E. "Using motor control disruptions in speech to predict risk for psychotic disorders".</p> <p>Data Science Initiative Grant, Northwestern University 2016-2017 \$30,000 for postdoctoral stipend support for one year. Goldrick, M., Mittal, V., & Cibelli, E. "Revealing schizophrenia through patterns of variation in speech".</p> <p>NSF Graduate Research Fellowship 2010-2012, 2014-2015 \$90,000 for graduate stipend for three years.</p> <p>Phi Beta Kappa Northern California Association Scholarship 2014 \$5,000 for research costs and subject fees.</p> <p>Dean's Normative Time Fellowship, University of California Berkeley 2013-2014 \$21,000 for one year of graduate stipend support.</p>

- PUBLICATIONS **Adi, Y., Keshet, J., Cibelli, E., & Goldrick, M.** (in press). [Sequence segmentation using joint RNN and structured prediction models](#). Proceedings of the 42nd IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP).
- Adi, Y., Keshet, J., Cibelli, E., Gustafson, E., Clopper, C., and Goldrick, M.** (2016). [Automatic measurement of vowel duration via structured prediction](#). *Journal of the Acoustical Society of America* 140 (6), 4517-4527.
- Cibelli, E.***, **Xu, Y.***, **Austerweil, J.**, **Griffiths, T.**, and **Regier, T.** (2016). [The Sapir-Whorf hypothesis and probabilistic inference: Evidence from the domain of color](#). *PLOS ONE*, 11.7, e0158725.
*Co-first authors.
- Cibelli, E.** (2015). [The phonetic basis of a phonological pattern: Depressor effects of prenasalized consonants](#). In J. Romero & M. Riera (Eds.), *The Phonetics-Phonology Interface: Representations and methodologies* (171-192). Amsterdam: John Benjamins.
- Cibelli, E., Leonard, M., Johnson, K., and Chang, E.** (2015). [The influence of lexical statistics on temporal lobe cortical dynamics during spoken word listening](#). *Brain and Language*, 147, 66-75.
- Gahl, S., Cibelli, E., Hall, K., and Sprouse, R.** (2014). [The Up corpus: A corpus of speech samples across adulthood](#). *Corpus Linguistics and Linguistic Theory*, 10(2), 315-328.
- EDITED VOLUMES AND MANUSCRIPTS **Antic, Z., Chang, C.B., Cibelli, E., Hong, J., Houser, M. J., Sandy, C., Toosarvandani, M., and Yao, Y.** (eds.). (2012). *Proceedings of the Thirty-Second Annual Meeting of the Berkeley Linguistics Society*. Berkeley: Berkeley Linguistics Society.
- Tilsen, S., Cibelli, E., Kang, S., Houde, J., and Nagarajan, S.** (2012). [Acoustic analysis of the effects of metrical regularity on interval durations](#). *Cornell Working Papers in Phonetics and Phonology*, 38-50.
- CONFERENCE TALKS, WORKSHOPS, AND POSTERS **Cibelli, E., Cole, J., Mittal, V., & Goldrick, M.** “Prosodic cues to psychosis risk.” Poster to be presented at the Acoustical Society of America Conference, Boston, June 2017.
- Lin, S., Cychosz, M., Shen, A., and Cibelli, E.** “Instructional and biofeedback training in L2 contrast learning.” Poster presented at the Linguistic Society of America, Austin, January 2017.
- McClain, R., Cibelli, E., Gustafson, E., Moers, C., & Goldrick, M.** “Zooming in on interaction between planning and articulation through the lens of disruption.” Poster presented at the Psychonomic Society annual meeting, Boston, November 2016.
- Cibelli, E., Xu, Y., Austerweil, J., Griffiths, T., and Regier, T.** “The Sapir-Whorf Hypothesis and Probabilistic Inference: Evidence from the Domain of Color.” Talk presented at the 38th Annual Meeting of the Cognitive Science Society, Philadelphia, August 2016.
- McClain, R., Cibelli, E., Gustafson, E., Moers, C., & Goldrick, M.** “Examining evidence for cascade between planning and articulation: Does stability of processing modulate interaction?” Poster presented at the 9th International Workshop on Language Production, San Diego, July 2016.
- Adi, Y., Dissen, Y., Keshet, J., Cibelli, E., and Goldrick, M.** “Deep neural networks tools for automatic measurement of vowel duration, positive and negative voice onset time, and formant estimation and tracking.” [Workshop](#) presented at BigPhon: A satellite workshop at Laboratory Phonology 15, Ithaca, July 2016.

Cibelli, E. “Phonetic instruction as a tool to overcome L1 biases in L2 articulation.” Poster presented at the Linguistic Society of America, Washington, D.C., January 2016.

Cibelli, E. “The role of articulatory cues in the establishment of perceptual categories.” Poster presented at the Acoustical Society of America Conference, Pittsburgh, May 2015.

Cibelli, E., Leonard, M., Johnson, K., and Chang, E. “Word and pseudoword processing in the left ventral stream.” Poster presented at the Society for the Neurobiology of Language, San Diego, November 2013.

Cibelli, E. “Multiple sources of information contribute to novel category formation.” Poster presented at the Acoustical Society of America Conference, Providence, May 2014.

Cibelli, E., Leonard, M. and Chang, E. “Neural evidence for shared phonetic, phonological, and lexical processing of words and pseudowords.” Talk presented at the Acoustical Society of America Conference, San Francisco, December 2013.

Johnson, K., Kang, S., and **Cibelli, E.** “Perceptual compensation with familiar and unfamiliar rounding coarticulation.” Talk presented at the Acoustic Society of America Conference, San Francisco, December 2013.

Cibelli, E. “Language attrition and maintenance in a heritage speaker of Finnish.” Talk presented at the Society for the Advancement of Scandinavian Study, San Francisco, May 2013.

Cibelli, E. “Morphological attrition and phonological maintenance in a heritage speaker of Finnish.” Poster presented at The Road Less Travelled conference on heritage languages at the University of Toronto, October 2012.

INVITED TALKS
AND SYMPOSIA

Cibelli, E. “Explicit articulatory cues for novel category formation.” Invited talk at the University of Michigan PhonDi, February 19, 2016.

Cibelli, E. “Targeting the acquisition of L2 production categories with explicit articulatory instruction”. Invited talk at the University of Illinois Chicago Talks in Linguistics, February 9, 2016.

Cibelli, E. “Neural pathways of lexical processing: Evidence from electrocorticography.” Invited talk at the Martinez VA Lunch Research Talk Series, February 25, 2014.

Cibelli, E. “Early processing pathways of words and pseudowords: Evidence from electrocorticography.” Invited talk at the Stanford Phonetics and Phonology Workshop, May 17, 2013.

Cibelli, E. “On being an accent sponge: Phonetic convergence in bilingual speakers.” Talk presented at the Mellon 23 Faculty Workshop in Linguistics, Swarthmore, PA. October 3, 2009.

TEACHING
EXPERIENCE

Courses at Northwestern University

Bilingualism

Linguistics 321

Instructor

Spring 2016, 2017

Sound Patterns in Human Language

Linguistics 250

Instructor

Winter 2016, 2017

Courses at UC Berkeley

Language Disorders <i>Linguistics/Cognitive Science C147</i> Instructor	Summer 2015
Language Acquisition <i>Linguistics C146/Psychology C143</i> Instructor	Summer 2014
Quantitative Methods in Linguistics <i>Linguistics/Cognitive Science C140</i> Teaching assistant (temporary), grader	Spring 2011, 2013
Introduction to Phonetics and Phonology <i>Linguistics 110</i> Teaching assistant	Fall 2012

RESEARCH EXPERIENCE

Present lab affiliations

Sound Lab, Northwestern University, PI: Matt Goldrick	2015 - present
ADAPT Lab, Northwestern University, PI: Vijay Mittal	2016 - present

Past lab affiliations

Phonology Lab, UC Berkeley, PI: Keith Johnson	2009-2015
Language and Cognition Lab, UC Berkeley, PI: Terry Regier	2010-2015
Speech Neurophysiology Lab, UC San Francisco, PI: Edward Chang	2011-2015
Psycholinguistics Lab, UC Berkeley, PI: Susanne Gahl	2010-2014
Language and Speech Lab, Wellesley College, PI: Andrea Levitt	2006-2009
Lab for Developmental Studies, Harvard University, PI: Jesse Snedeker	2008-2009

PROFESSIONAL EXPERIENCE

Test item creator, Duolingo	2017-present
Freelance copyeditor	2014 - present
Freelance English pronunciation instructor	2014
Linguistic annotator and analyst, Powerset (Microsoft)	2010

SERVICE

Peer review

Cognitive Science Society
Second Language Research
Cognition
Neuropsychologia

Mentorship

Research advisor, Linguistics Research Apprentice Practicum	2013-2015
Mentor, UC Berkeley Undergraduate-Graduate Mentorship Program	2010

Department service

Organizer, Phonatics, Northwestern University	2016-present
Organizer, Phonetics and Phonology Forum, Phonology Lab, UC Berkeley	2011-2013
Student representative to faculty, Department of Linguistics, UC Berkeley	2010-2012
Office manager and conference organizer, Berkeley Linguistics Society	2010-2011

SKILLS

Technical: R, Praat, LaTeX, Matlab, Python
Languages: English (native); Finnish, Spanish (intermediate); Garifuna (fieldwork)