



Chelsea Sanker
Department of Linguistics
Stanford University
sanker@stanford.edu

EDUCATION

2016 Ph.D. in Linguistics, Cornell University

- **Dissertation:** *Patterns of Misperception of Arabic Guttural and Non-guttural Consonants*
- **Committee:** Michael Weiss (chair), Abby Cohn, Alan Nussbaum, Sam Tilsen

2009 B.A. in Linguistics, University of California at Berkeley

High Distinction in General Scholarship

Honors Thesis: “Word Order in Latin Adpositional Phrases”

Minor in Anthropology

PROFESSIONAL POSITIONS

2022- Acting Assistant Professor, Stanford University

2019-2022 Lecturer, Yale University

2016-2019 Visiting Assistant Professor, Brown University

2015-2016 Visiting Assistant Professor, Rutgers University

PUBLICATIONS

REFEREED JOURNAL ARTICLES

under review Sanker, C. Language-specific effects of coda voicing on perceived vowel duration.

under review Sanker, C. How perceptual learning extends across vowels.

forthcoming Sanker, C. and AnderBois, S. Reconstruction of nasality and other aspects of A’ingae phonology. *Cadernos de Etnolingüística* 11. Article e110101.

2023 Sanker, C. How do headphone checks impact perception data? *Laboratory Phonology* 14(1).

2022 Sanker, C. Homophone discrimination based on prior exposure. *Journal of Phonetics* 95. Article 101182.

2021 Sanker, C., Babinski, S., Burns, R., Evans, M., Johns, J., Kim, J., Smith, S., Weber, N., and Bower, C. (Don’t) try this at home! The effects of recording devices and software on phonetic analysis. *Language* 97.4. e360-e382.

- 2020** Repetti-Ludlow, C., Zhang, H., Lucitante, H., AnderBois, S., and **Sanker, C.** A'ingae (Cofán). *Journal of the International Phonetic Association: Illustrations of the IPA* 50(3). 431-444.
- 2020** Sanker, C. A perceptual pathway for voicing-conditioned vowel duration. *Laboratory Phonology* 11(1). Article 18.
- 2020** *Cohen Priva, U. and ***Sanker, C.** Natural Leaders: Some interlocutors elicit greater convergence across conversations and across characteristics. *Cognitive Science* 44(10). Article e12897.
- 2019** *Cohen Priva, U. and ***Sanker, C.** Limitations of difference-in-difference for measuring convergence. *Laboratory Phonology* 10(1). Article 15.
- 2019** Sanker, C. Influence of coda stop features on perceived vowel duration. *Journal of Phonetics* 75. 43-56.
- 2019** Sanker, C. Effects of lexical ambiguity, frequency, and acoustic details in auditory perception. *Attention, Perception, & Psychophysics* 81. 323-343.
- 2018** Sanker, C. Hurrian meter and phonology in the Boğazköy Parables. *Journal of the American Oriental Society* 138(2). 227-253.
- 2018** Sanker, C. A survey of experimental evidence for diachronic change. *Linguistics Vanguard* 4(1). Article 20170039.

CONFERENCE PROCEEDINGS AND OTHERS

- 2023** Sanker, C. Perceptual discrimination of proper names and homophonous common nouns. *Proceedings of the 34th Western Conference on Linguistics*, 58-69. Ed. S. Akamine.
- 2023** Sanker, C. Working with little data: Supplementary methods in placing Egyptian. *Ancient Egyptian and Afroasiatic: Rethinking the origins*. Eds. M.V. Almansa-Villatoro and S. Štubňová Nigrelli. Eisenbrauns.
- 2022** Sanker, C. Frequency-predicted shifts independent of word-specific phonetic details. *Papers in Historical Phonology* 7, 81-101.
- 2021** Sanker, C. Convergence doesn't show lexically-specific phonetic detail. *Supplemental Proceedings of the 2020 Annual Meeting on Phonology*. Eds. R. Bennett, R. Bibbs, M.L. Brinkerhoff, M.J. Kaplan, S. Rich, N. Van Handel and M.W. Cavallaro.
- 2020** Sanker, C. Lexical ambiguity and acoustic distance in discrimination. *Proceedings of the Linguistic Society of America* 5, 431-445. Ed. P. Farrell.
- 2019** Sanker, C. Effects of coda voicing on vowel phonation. *Proceedings of the 19th International Congress of Phonetic Sciences, Melbourne, Australia 2019*, 3323-3327. Eds. S. Calhoun, P. Escudero, M. Tabain, and P. Warren.
- 2018** Sanker, C. Effects of laryngeal features on vowel duration: Implications for Winter's Law. *Papers in Historical Phonology* 3, 180-205.

- 2018** *Cohen Priva, U. and ***Sanker, C.** Distinct behaviors in convergence across measures. *Proceedings of the 40th Annual Meeting of the Cognitive Science Society*, 1515-1520.
- 2018** Yang, S., **Sanker, C.**, and Cohen Priva, U. The organization of lexicons: A cross-linguistic analysis of monosyllabic words. *Proceedings of the Society for Computation in Linguistics 2018*, 164-173.
- 2016** Sanker, C. Phonetic features of the PIE “laryngeals”: Evidence from misperception data of modern postvelars. *Proceedings of the 27th UCLA Indo-European Conference*, 163-181. Eds. D. Goldstein, S. Jamison, and B. Vine.
- 2015** Sanker, C. Comparison of phonetic convergence in multiple measures. *Cornell Working Papers in Phonetics and Phonology 2015*, 60-75.
- 2015** Sanker, C. Patterns of misperception of Arabic consonants. *Proceedings of the Forty-First Annual Meeting of the Berkeley Linguistics Society, February 7-8, 2015*, 447-471.
- 2012** Tilsen, S., Zec, D., Bjorndahl, C., Butler, B., L’Esperance, M., Fisher, A., Heimisdottir, L., Renwick, M., and **Sanker, C.** A Cross-linguistic investigation of articulatory coordination in word-initial consonant clusters. *Cornell Working Papers in Phonetics and Phonology 2012*, 51-81.

* = equal contribution

INVITED PRESENTATIONS

- 2022** *What underlies apparent word-specific phonetic details?* Linguistics Department Colloquium, Stanford University.
- 2021** *The Effects of recording devices and software on phonetic analysis*, Invited talk at the SOAS University of London Linguistics Webinars. (Collaborative work with Sarah Babinski, Roslyn Burns, Marisha Evans, Jeremy Johns, Juhyae Kim, Slater Smith, Natalie Weber, Claire Bower.)
- 2020** *Dimensions of convergence*, Invited talk at the NYU Phonetics & Experimental Phonology Lab.
- 2020** *Dimensions of convergence*, Linguistics Department Colloquium, Yale University.
- 2017** *Effects of homophones and syllable structure in lexical processing*, Invited talk at the UConn Phonology Group.

CONFERENCE PRESENTATIONS

- upcoming** Sanker, C. *Acoustic characteristics of speech error repairs* (The Western Conference on Linguistics, Fresno, California, November 2023)

- 2023** Sanker, C. *The Influence of Lexical Frequency, Phonotactic Probability, and Neighborhood Density on Word Identification* (45th Annual Conference of the Cognitive Science Society, July 2023) [poster presentation]
- 2022** Sanker, C. *Perceptual discrimination of proper names and homophonous common nouns* (The Western Conference on Linguistics, Fresno, California, November 2022)
- 2022** Sanker, C. *Word-specific convergence and effects of repeated exposure* (Annual Meeting on Phonology, Los Angeles, California, October 2022) [poster presentation]
- 2022** Sanker, C. *Normalized formant values are generalized across talkers* (Conference on Laboratory Phonology, Virtual, June 2022) [poster presentation]
- 2022** Sanker, C. *What do headphone checks gain us?* (Manchester Phonology Meeting, May 2022) [poster presentation]
- 2022** Sanker, C. *Dialect-specific phonological features shape perceptual generalization* (Meeting of the Linguistic Society of America, Washington DC, January 2022)
- 2021** Sanker, C. *Frequency-predicted shifts don't require word-specific phonetic details* (Symposium on Historical Phonology, Edinburgh, Scotland, December 2021)
- 2021** Sanker, C. *Comparison of coda voicing effects on perceived vowel duration* (Annual Meeting on Phonology, Toronto, Ontario, October 2021) [poster presentation]
- 2021** Sanker, C. *Perceptual learning in vowel systems* (Phonetics and Phonology in Europe, Barcelona, Spain, June 2021) [poster presentation]
- 2021** Sanker, C. *Homophone discrimination based on speaker-specific learning* (Meeting of the Linguistic Society of America, Virtual, January 2021)
- 2020** Sanker, C. *Vowel systems in convergence* (International Seminar on Speech Production, Providence, Rhode Island, December 2020)
- 2020** Sanker, C. *Convergence doesn't show lexically-specific phonetic detail* (Annual Meeting on Phonology, Santa Cruz, California, September 2020) [poster presentation]
- 2020** Sanker, C. and Karlin, R. *Perceptual evidence for the representation of English coda voicing* (Meeting of the Linguistic Society of America, New Orleans, Louisiana, January 2020)
- 2020** Sanker, C. *Lexical ambiguity and acoustic distance in discrimination* (Meeting of the Linguistic Society of America, New Orleans, Louisiana, January 2020) [poster presentation]
- 2019** Sanker, C. *Behavior of homophones does not support irregular phonological change* (Meaning in Flux, New Haven, Connecticut, October 2019)
- 2019** AnderBois, S., Emlen, N., Lucitante, H., Sanker, C., and Silva, W. *Investigating Linguistic Links between the Amazon and the Andes: The case of*

- A'ingae* (Conference on Indigenous Languages of Latin America IX (CILLA), Austin, Texas, October 2019)
- 2019** Sanker, C. *Effects of coda voicing on vowel phonation* (International Congress of Phonetic Sciences, Melbourne, Australia, August 2019) [poster presentation]
- 2019** Sanker, C. *Effects of coda laryngeal features and stimulus language on perceived vowel duration* (Phonetics and Phonology in Europe, Lecce, Italy, June 2019)
- 2019** Zhang, H. and **Sanker, C.** *Phonetic Convergence in Mandarin* (Phonetics and Phonology in Europe, Lecce, Italy, June 2019) [poster presentation]
- 2019** Sanker, C. *Perceptual cues to coda voicing contrasts* (Manchester Phonology Meeting, May 2019) [poster presentation]
- 2019** AnderBois, S. and **Sanker, C.** *Reconstruction of A'ingae prenasalized stops* (Third Symposium on Amazonian Languages, Berkeley, CA, March 2019)
- 2019** Sanker, C. *F0 effects on perceived vowel duration* (Meeting of the Linguistic Society of America, New York City, NY, January 2019) [poster presentation]
- 2018** Cohen Priva, U. and **Sanker, C.** *Convergence is predicted by particular interlocutors and interactions, not speakers* (Workshop on Accommodation in Speech Communication, Zurich, Switzerland, December 2018)
- 2018** **Sanker, C.**, Silva, W., Lucitante, H., and AnderBois, S. *Falsetto in A'ingae (Cofán)* (3rd Sound Systems of Latin America, Amherst, Massachusetts, October 2018)
- 2018** Sanker, C. *Effects of following voicing on perceived vowel duration* (Annual Meeting on Phonology, San Diego, California, October 2018) [poster presentation]
- 2018** Cohen Priva, U. and **Sanker, C.** *Distinct behaviors in convergence across measures* (Annual Meeting of the Cognitive Science Society, Madison, Wisconsin, July 2018) [poster presentation]
- 2018** Sanker, C. *Characterizing contrasts: Features vs. acoustic distance* (Manchester Phonology Meeting, May 2018) [poster presentation]
- 2018** Sanker, C. *Shared innovations and independent developments: Issues in placing Egyptian* (Rethinking the origins: The departure of ancient Egyptian as a branch from the Afroasiatic family, Egyptology and Assyriology Workshop, Providence, RI, April 2018)
- 2018** Sanker, C. *Homophones, lexical retrieval, and sensitivity to detail* (Meeting of the Linguistic Society of America, Salt Lake City, Utah, January 2018)
- 2018** Yang, S., **Sanker, C.**, and Cohen Priva, U. *The organization of lexicons: A cross-linguistic analysis of monosyllabic words* (Society for Computation in Linguistics, Salt Lake City, Utah, January 2018) [poster presentation]
- 2017** Sanker, C. *Effects of stop laryngeal features on duration of preceding vowels: Implications for Winter's Law* (Symposium on Historical Phonology, Edinburgh, Scotland, November-December 2017, Satellite Workshop: LaryngFringe)

- 2017** Zhang, H., Gutman, R., Lucitante, H., Repetti-Ludlow, C., AnderBois, S., and **Sanker, C.** *A phonetic sketch of A'ingae (Cofán)* (Conference on Indigenous Languages of Latin America VIII (CILLA), Austin, Texas, October 2017)
- 2017** Sanker, C. *Experimental evidence for diachronic change* (International Conference on Historical Linguistics, San Antonio, Texas, July-August 2017)
- 2017** Sanker, C. *Lexical retrieval and effects of homophones* (Phonetics and Phonology in Europe, Cologne, Germany, June 2017) [poster presentation]
- 2017** Sanker, C. *Linking phonetic convergence and sound change* (International Workshop on Sound Change, Edinburgh, Scotland, April 2017)
- 2016** Sanker, C. *When phonology is algebra: Solving problems with interacting processes* (North American Phonology Conference, Montreal, Canada, May 2016, Pedagogy Workshop)
- 2016** Sanker, C. *Individual tendencies for phonetic convergence* (North American Phonology Conference, Montreal, Canada, May 2016) [poster presentation]
- 2016** Sanker, C. *An analysis of semitic uvular-pharyngeal correspondences: Inter-dialectal borrowing in Akkadian* (American Oriental Society, Boston, MA, March 2016)
- 2016** Sanker, C. *Patterns of heritage speakers' perception of Arabic consonants* (Old World Conference in Phonology, Budapest, Hungary, January 2016)
- 2015** Sanker, C. *Phonetic features of the PIE "laryngeals": Evidence from misperception data of modern gutturals* (UCLA Indo-European Conference, Los Angeles, California, October 2015)
- 2015** Sanker, C. *Phonetic Convergence in Multiple Features* (Meeting of the Acoustical Society of America, Pittsburgh, Pennsylvania, May 2015) [poster presentation]
- 2015** Sanker, C. *Patterns of misperception of Arabic consonants* (Berkeley Linguistics Society, Berkeley, CA, February 2015)
- 2014** Sanker, C. *Patterns of misperception of Arabic consonants* (Mellon Humanities Corridor Workshop in Theoretical and Experimental Linguistics, Syracuse, NY, December 2014)
- 2014** Sanker, C. *Hurrian meter in the Boğazköy Parables* (American Oriental Society, Phoenix, AZ, March 2014)

TEACHING EXPERIENCE

STANFORD UNIVERSITY

- **Instructor**, Invented Languages (LINGUIST 173). Spring 2024
- **Instructor**, Phonetics (LINGUIST 105/205). Winter 2024
- **Instructor**, Introduction to Phonology (LINGUIST 110). Spring 2023 & Fall 2023
- **Instructor**, Historical Linguistics (LINGUIST 160). Winter 2023 & Fall 2023

- **Instructor**, Experimental Evidence for Sound Change (LINGUIST 212). Spring 2023
- **Instructor**, Articulatory Phonetics (LINGUIST 108). Fall 2022

YALE UNIVERSITY

- **Instructor**, Quantitative Linguistics (LING 234/634). Fall 2019, Fall 2020, & Spring 2022
- **Co-instructor**, Illusions of Language (LING 106). Spring 2022
- **Instructor**, Field Methods (LING 241/641). Spring 2020 & Fall 2021
- **Instructor**, Historical Linguistics (LING 112/512). Spring 2020, Spring 2021, & Fall 2021
- **Co-instructor**, Cognitive Science of Language (LING 116/CGSC 216/PSYC 116). Spring 2021
- **Instructor**, Language Contact in the Ancient World (LING 103/503). Fall 2020
- **Instructor**, Indo-European Linguistics (LING 113/513; NELC 354; CLSS 407). Fall 2019

BROWN UNIVERSITY

- **Instructor**, Introduction to Phonological Theory (CLPS 1310). Fall 2016 & Spring 2018
- **Instructor**, Historical Linguistics (CLPS 1365). Spring 2017, Spring 2018, & Spring 2019
- **Instructor**, Laboratory in Phonetics (CLPS 1380). Fall 2017 & Fall 2018
- **Instructor**, Topics in Phonetics and Phonology: Laboratory Phonology (CLPS 1381). Spring 2017
- **Instructor**, Topics in Phonetics and Phonology: Psycholinguistics of Phonetic Perception (CLPS 1381). Spring 2019

RUTGERS UNIVERSITY

- **Instructor**, Phonology II (LING 521). Spring 2016
- **Instructor**, Phonology (LING 315). Fall 2015 & Spring 2016
- **Instructor**, Phonology III (LING 522). Fall 2015

CORNELL UNIVERSITY

- **Instructor**, First-year Writing Seminar, Biological Foundations of Language (LING 1100). Fall 2013 & Spring 2014
- **Teaching Assistant**, Introduction to Historical Linguistics (Linguistics 3314). Fall 2011 & Spring 2013 (Instructor: Michael Weiss)
- **Teaching Assistant**, Introduction to Linguistics (Linguistics 1101). Fall 2012 (Instructor: Wayne Harbert)
- **Teaching Assistant**, English Words: Histories & Mysteries (Linguistics 1109). Spring 2012 (Instructor: Alan Nussbaum)

AWARDS, FELLOWSHIPS, and GRANTS

2015 Cornell Graduate School Conference Travel Grant

2014-2015 Sage Fellowship

2014 Cornell Graduate School Conference Travel Grant

2010-2011 Sage Fellowship

2009 Departmental Citation for Distinguished Undergraduate Work

2005-2009 Regents' and Chancellor's Scholarship

2005-2009 National Merit Scholarship

ADVISING

2017-2018 **Haoru Zhang**, Master's thesis advisor, Brown University.

2017-2018 **Yiming Gu**, Master's thesis advisor, Brown University.

2015-2016 **Shu-hao Shih**, Qualifying paper advisor, Rutgers University.

SERVICE

- **Reviewer (journal)** *Frontiers, Folia Phoniatica et Logopaedica; Indo-European Linguistics; Journal of the Acoustical Society of America; Journal of East Asian Linguistics; Journal of Germanic Linguistics; Journal of Linguistics; Journal of Phonetics; Laboratory Phonology; Language, Cognition, and Neuroscience; Language and Speech; Language Dynamics and Change; Linguistic Analysis; Linguistics Vanguard; Open Mind: Discoveries in Cognitive Science; Phonetica; Second Language Research; Speech Communication*
- **Reviewer (conference)** *Annual Meeting on Phonology; Conference on Laboratory Phonology; European Chapter of the Association for Computational Linguistics; International Congress of Phonetic Sciences; Linguistic Society of America*
- **Cornell Linguistics Circle President** 2013-2014
- **Graduate and Professional Student Assembly Representative** 2011-2012
- **Cornell Linguistics Circle Colloquium Caterer** 2010-2011

LANGUAGES

- **Native:** English
- **Reading Knowledge:** French, German
- **Research Languages:** English, A'ingae, Arabic, German, Hindi