# Meg Cychosz

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### **Professional experience**

June 2020present NIH-National Institute on Deafness and Other Communication Disorders (NIDCD) Postdoctoral Researcher

Center for Comparative & Evolutionary Biology of Hearing Trainee & Department of Hearing and Speech Sciences

University of Maryland, College Park

Education

August 2020 **Ph.D., Linguistics,** University of California, Berkeley

Keith Johnson & Sharon Inkelas (co-chairs)

2017 **M.A., Linguistics**, University of California, Berkeley

2015 Master 1, Phonetics and Phonology

Université Sorbonne Nouvelle-Paris 3

2014 **M.A., Spanish**, Indiana University

**Additional training** 

2020 Certificate of Teaching and Learning in Higher Education

University of California, Berkeley

Spring 2017 **Department of Linguistics** 

Stanford University

Spring 2011 Study Abroad

Université Paul Valéry III, Montpellier, France

Support

Current

2021-present NIH-NIDCD F32 Individual Postdoctoral Training Grant. "How

children with cochlear implants learn speech from their

environments." **Cychosz, M.** (Principal Investigator). Edwards, J., & Newman, R (Co-Principal Investigators). Projected award period:

06/01/2021-05/31/2023. Total cost: \$137,999.

2021-present NIH-NIDCD Extramural Clinical Loan Repayment Program. "How

children with cochlear implants learn speech from their

environments." **Cychosz, M**. (Principal Investigator). Edwards, J., & Newman, R (Co-Principal Investigators). Total funding: \$30,000.

Other

Awarded NSF-SBE Postdoctoral research fellowship (SPRF). Cychosz, M.

(Principal Investigator). Edwards, J., & Newman, R (Co-Principal Investigators). Total cost: \$137,169. [Declined due to overlap.]

2020-2021 NIH-NIDCD T32 DC000046 "Training grant on comparative and

evolutionary biology of hearing." **Cychosz, M.** (Postdoctoral

trainee). 06/01/2020-05/31/2021.

**Publications** 

**Refereed journals** 

Under revision Cychosz, M. & Newman, R. Units of processing in perceptual

normalization for speaking rate. [pre-print]

Under revision **Cychosz, M.** Language exposure predicts children's phonetic

patterning: Evidence from language shift. [pre-print]

Accepted **Cychosz, M.**, Newman, R., Munson, B., & Edwards, J. Auditory

feedback experience in phonetic development: Evidence from children with cochlear implants and their normal-hearing peers.

Journal of the Acoustical Society of America. [pre-print]

Accepted Cychosz, M., Villanueva, A., & Weisleder, A. Efficient estimation of

children's language exposure in two bilingual communities. Journal

of Speech, Language and Hearing Research. [pre-print]

To appear Cychosz, M., Edwards, J., Bernstein Ratner, N., Torrington Eaton, C.,

& Newman, R. Acoustic-lexical characteristics of child-directed speech between 7 and 24 months and their impact on toddlers' phonological processing. Frontiers in Psychology: Developmental

Psychology. [pre-print]

To appear **Cychosz, M.,** Cristia, A, Bergelson, E., Casillas, M., Baudet, G.,

Warlaumont, A. S., Scaff, C., Yankowitz, L., & Seidl, A. Vocal

development in a large-scale, crosslinguistic corpus.

Developmental Science. [early view]

To appear Cychosz, M., Munson, B., & Edwards, J. Practice and experience

predict coarticulation in child speech. Language Learning and

Development. [paper]

2021 **Cychosz, M.** The coarticulation-duration relationship in early

Quechua speech. Journal of Phonetics. 87, 101052. [paper]

2021	<b>Cychosz, M.</b> , Erskine, M., Munson, B., & Edwards, J. A lexical advantage in four-year-old children's word repetition. <i>Journal of Child Language</i> . 48(1), 31-54. [pubmed]
2020	<b>Cychosz, M.*</b> , Romeo, R., Soderstrom, M., Scaff, C., Ganek, H., Cristia, A., Casillas, M., de Barbaro, K., Bang, J., & Weisleder, A.* Longform recordings of everyday life: Ethics for best practices. Behavior Research Methods. 52, 1951-1969.
2019	<b>Cychosz, M.</b> , Edwards, J., Munson, B., & Johnson, K. Spectral and temporal measures of coarticulation in child speech. <i>Journal of the Acoustical Society of America-L, 146</i> (6), EL516-EL522.
2018	<b>Cychosz</b> , <b>M</b> . Bilingual adolescent vowel production in the Parisian suburbs. <i>International Journal of Bilingualism</i> , 23(6), 1291-1315.
	Fully peer-reviewed conference proceedings
2019	<b>Cychosz</b> , <b>M</b> . Holistic lexical storage: Coarticulatory evidence from child speech. In <i>Proceedings of the 19th International Congress of Phonetic Sciences</i> . Melbourne, Australia.
2019	Lin, S.*, <b>Cychosz. M</b> .*, Shen, A.*, & Cibelli, E. The effects of phonetic training and visual feedback on novel contrast production. In <i>Proceedings of the 19<sup>th</sup> International Congress of Phonetic Sciences</i> . Melbourne, Australia.
2019	Schuller, B. W. Batliner, A. Bergler, C., Pokorny, F. B., Krajewski, J., <b>Cychosz, M.</b> , Vollmann, R., Roelen, S., Schnieder, S., Bergelson, E., Cristia, A., Seidl, A., Warlaumont, A., Yankowitz, L., Noth, E., Amiriparian, S., Hantke, S., & Schmitt, M. The INTERSPEECH 2019 Computational Paralinguistics Challenge: Styrian Dialects, Continuous Sleepiness, Baby Sounds & Orca Activity. In <i>Proceedings of Interspeech 2019</i> , Graz, Austria.
2018	<b>Cychosz, M.</b> Functional load and frequency as predictors of consonant emergence across five languages. In <i>Proceedings of the 40th Annual Meeting of the Cognitive Science Society.</i>
2017	<b>Cychosz, M.</b> , Gordon, A., Odimegwu, O., Connolly, O., Bellassai, J., & Roemmele, M. Effective Scenario Designs for Free-text Interactive Fiction. <i>Proceedings of the 10th International Conference on Interactive Digital Storytelling (ICIDS)</i> . Madeira, Portugal.
2017	Bellassai, J., Gordon, A., Roemmele, M., <b>Cychosz, M.</b> , Odimegwu, O., & Connolly, O. Unsupervised Text Classification for Natural Language Interactive Narratives. <i>Proceedings of the 10th International Workshop on Intelligent Narrative Technologies (INT10)</i> . Snowbird, Utah.

### Other conference proceedings

2018	<b>Cychosz, M.</b> , & Kalt, S. The contribution of functional load on children's vocalic development. In Gallagher, G., Gouskova, M., and Yin, S. (eds.), Supplemental Proceedings of the 2017 Annual Meeting on Phonology. Washington, DC: Linguistic Society of America.
2018	<b>Cychosz, M.</b> , & Kalt, S. Language-specific sources of acoustic stability. In Proceedings of the 42nd Annual Boston University Conference on Language Development.
2016	Cheng, A., Faytak, M., & <b>Cychosz, M</b> . Language, race, and vowel space: Contemporary California English, <i>Proceedings of the 42<sup>nd</sup> Annual Meeting of the Berkeley Linguistics Society</i> . (Vol. 42). Berkeley, California.
	Datasets and other resources
2020	<b>Cychosz, M.*</b> , Romeo, R., Soderstrom, M., Scaff, C., Ganek, H., Cristia, A., Casillas, M., de Barbaro, K., Bang, J., & Weisleder, A.* Daylong Audio Recordings of Children's Linguistic Environments (DARCLE) Ethics Repository. DOI 10.17605/OSF.IO/U3TFV.
2019	<b>Cychosz, M.,</b> Cristia, A, Bergelson, E., Casillas, M., Baudet, G., Warlaumont, A. S., Scaff, C., Yankowitz, L., & Seidl, A. BabbleCor: A Crosslinguistic Corpus of Babble Development in Five Languages. DOI 10.17605/OSF.IO/RZ4TX.
2018	<b>Cychosz, M.</b> Cychosz HomeBank Corpus, DOI 10.21415/YFYW-HE74. (2000+ hours of naturalistic daylong recordings of bilingual children learning South Bolivian Quechua and Spanish)
2016	Escobar, E., <b>Cychosz, M.</b> Hayes, D., Lapierre, M., Raskit, T. L., Michael, L., Nee, J. E., & Remirez, E. Berkeley Field Methods: South Bolivian Quechua, SCL 2016-13, Survey of California and Other Indian Languages. University of California, Berkeley. DOI:

<sup>\*</sup> Denotes shared first authorship

10.7297/X2T72FMM.

# Fellowships and Awards

2021 **Strategic Plan Presentation Winner** (for exemplifying international research related to children's development)
Society for Research on Child Development

2019	Raymond H. Stetson Scholarship in Phonetics and Speech Science \$30,000, Acoustical Society of America
2019	Indigenous Languages of Latin America (ILLA) Travel Grant \$1,000, UC Berkeley
2019	Oswalt Documenting Endangered Languages Grant \$4,500, UC Berkeley
2018, 2019	Student Travel Subsidy Award, Acoustical Society of America
2018	<b>Student Technology Fund Grant</b> , UC Berkeley to fund recording and field equipment for child language data collection in Bolivia
2018	Oswalt Documenting Endangered Languages Grant \$5,000, UC Berkeley
Spring & Fall 2018	Dissertation Completion Fellowship, UC Berkeley
2017	Society for Language Development Student Award (awarded annually to the student demonstrating the most diverse research agenda)
2017	Tinker Summer Field Research Grant, UC Berkeley
2016	Graduate Assembly Conference Travel Grant, UC Berkeley
2016-17	Foreign Language Area Studies Fellowship: Portuguese Institute for European Studies, UC Berkeley
2015, 2016, 2018	Department of Linguistics Travel Grant, UC Berkeley
2015, 2017	Student Technology Fund Grant, UC Berkeley with Keith Johnson and Auburn Barron-Lutzross to fund recording equipment for UC Berkeley Sociophonetic Area for Recording Conversational Language
2013	Summer Research Grant, Indiana University
2012	Phi Beta Kappa
2011-2015, annually	Kappa Alpha Theta academic scholarship
	Presentations

**Invited Talks** 

Cychosz, M. Mechanisms behind coarticulatory development in May 2022 children. Invited talk part of special session "Perspectives on Long Distance Coarticulation" 183rd Meeting of the Acoustical Society of America. Denver, CO. June 2021 Cychosz, M. Why kids are hard to understand: Implications for speech technology and children's development. Invited talk for the Acoustical Society of America Press Room. [An outlet that provides "efficient dissemination of information regarding...the field of acoustics to the news media, science writers, and other interested parties." June 2021 **Cychosz**, **M**. Reconsidering variability in child speech production. Invited talk part of special session "Ideas worth reconsidering in speech perception and production." 181st Meeting of the Acoustical Society of America. [virtual] March 2021 **Cychosz**, **M.** Environmental influences on speech development. University of Delaware Syntax, Neurolinauistics, and Phonetics/Phonology (SNaP) Meeting. Newark, DE. October 2020 **Cychosz**, **M**. Environmental influences on children's phonetic development. UCLA Phonetics Seminar. Los Angeles, CA. October 2019 **Cychosz, M.** Daylong audio recordings in linguistic research: Collection, management, and use. Presented for the Group on American Indian Languages, Berkeley, CA. February 2019 Cychosz, M. Child learners and daylong recording methods: New challenges in linguistic fieldwork. Presented for the UC Berkeley Fieldwork Forum, Berkeley, CA. Cychosz, M. Functional load and frequency as predictors of April 2018 consonant emergence across five languages. Presented for Georgetown University Linguistics Department, PhonLab. Washington, D.C. March 2018 **Cychosz**, **M**. Cross-linguistic predictors of consonant emergence. Presented for University of Maryland, Learning to Talk lab. College Park, MD. February 2018 **Cychosz**, **M**. Cross-linguistic predictors of consonant emergence. Presented for University of Maryland, Project on Children's Language Learning. College Park, MD. September 2017 **Cychosz**, **M**. Language specificity in phonological development. Presented for University of California, Berkeley, Language and Cognitive Development Lab, Berkeley, CA.

**Conference presentations** 





2018 Cychosz, M., Erskine, M., & Edwards, J. The lexical advantage: Four year old children learn words, not sounds. Presented at the 43<sup>rd</sup> Annual Boston University Conference on Language Development, Boston, MA. 2018 Cychosz, M. Functional load and frequency as predictors of consonant emergence across five languages. Presented at the 40th Annual Meeting of the Cognitive Science Society, Madison, WI. 2018 **Cychosz**, **M**. Cross-linguistic predictors of consonant emergence, Presented at the International Child Phonology Conference, Crete, Greece. 2017 Cychosz, M. & Kalt, S. Language-specific sources of acoustic stability in phonological development. Presented at the 42<sup>nd</sup> Boston University Conference on Language Development, Boston, MA. Cychosz, M. & Kalt, S. The contribution of functional load on 2017 children's phonological development. Presented at the 2017 Annual Meeting on Phonology, New York, NY. 2017 Daidone, D., Lidster, R., Kruger, F., & Cychosz. M. New methods for predicting perceptual discriminability of non-native contrasts. Presented at the 9th Annual Pronunciation in Second Language Learning & Teaching (PSLLT) Conference. 2017 Cychosz, M., & Johnson, K. Social evaluation addresses actuation in sound change. Presented at the 4<sup>th</sup> Workshop on Sound Change. Edinburgh, Scotland. 2017 Lin, S., Cychosz, M., Shen, A., & Cibelli, E. Instructional and biofeedback training in L2 contrast learning. Presented at the 91st Annual Meeting of the Linguistic Society of America, Austin, TX. 2016 Cychosz, M. Sources of variation in an emerging Parisian French vernacular. Presented at New Ways of Analyzing Variation 45, Vancouver, Canada. 2016 Cychosz, M., & Garrote Salazar, M. Acquisition of the passive in Spanish-learning children: Constructing the syntactic skeleton. Presented at the 41st Annual Boston University Conference on Language Development. Boston, MA. [unable to attend] 2016 Cychosz, M. Identity and adolescence as factors in L2 phonological acquisition. Presented at New Sounds: 8th International Conference on Second-Language Speech, Aarhus, Denmark. 2016 Cheng, A., Faytak, M., & Cychosz, M. Language, race, and vowel space: Contemporary California English. Presented at Berkeley Linguistics Society 42, Berkeley, CA.

2015	<b>Cychosz, M</b> . Variation in the signal: Social correlation in a completed sound change. Presented at New Ways of Analyzing Variation 44, Toronto, Canada.
	Press
2021	<b>Newswise.</b> Variabilities in Children's Speech Perhaps Not So Concerning. <a href="https://www.newswise.com/articles/variabilities-in-children-s-speech-perhaps-not-so-concerning">https://www.newswise.com/articles/variabilities-in-children-s-speech-perhaps-not-so-concerning</a>
2021	American Association for the Advancement of Science (AAAS). Variabilities in children's speech perhaps not so concerning. <a href="https://www.eurekalert.org/pub_releases/2021-06/asoa-vic060321.php">https://www.eurekalert.org/pub_releases/2021-06/asoa-vic060321.php</a>
2021	News-Medical.net. Reconsidering the variations in children's speech. <a href="https://www.news-medical.net/news/20210609/Reconsidering-the-variations-in-childrens-speech.aspx">https://www.news-medical.net/news/20210609/Reconsidering-the-variations-in-childrens-speech.aspx</a>
	Teaching Experience
	University of Maryland, College Park: Tutorials
Winter 2021	Intermediate/advanced R, Primary Instructor
Winter 2021	Practical tips for R, Primary Instructor
	UC Berkeley: Courses
Spring 2020	Linguistics: Phonological Development, Primary Instructor
Fall 2019	<b>Linguistics: Phonetics</b> , Graduate student instructor Primary instructor: Susan Lin
Spring 2019	<b>Psychology: Language Development</b> , Graduate student instructor Primary Instructor: Mahesh Srinivasan
Summer 2018	Linguistics/Psychology: Language Development, Primary Instructor
Fall 2017	<b>Linguistics: Historical Linguistics</b> , Graduate student instructor Primary Instructor: Andrew Garrett
	Indiana University: Courses
Spring 2014 Fall 2013 Spring 2013 Fall 2012	Spanish 200, primary instructor Spanish 105, primary instructor

### Advising/Mentoring

### **UC Berkeley Linguistics Research Apprentice Program (LRAP)**

2020 Adela Arriola 2020 Hitomi Torng 2019-2020 Karina Fong-H

2019-2020 Karina Fong-Hirschfelder

2019-2020 Sierra Adachi 2019-2020 Rachel Elia 2019-2020 Kiran Girish 2019 Sonnet Phelps

2017-2018 Benjamin Papadopoulos

2016-2017 Sofea Dil

#### **University of Maryland**

2021-present Ria Garg

2020-2021 Kavya Ganesan, Kaliyah Gowing

2018-present Michele Liquori 2018-2019 Becca Higgins

### Other Professional Experience

Summer 2016 Visiting Research Assistant, Institute for Creative Technologies

University of Southern California

2014-2015 English Language Teaching Assistant, Lycée Darius Milhaud

Le Kremlin Bicêtre, France

Summer 2012 **Machine Translation Intern**, Reverso-Softissimo

Paris, France

### **Academic Service**

Manuscript Reviewing: Annals of the New York Academy of Sciences, Behavior Research Methods, Bilingualism: Language and Cognition, Developmental Science, Ear and Hearing, Journal of Child Language

**Conference Reviewing:** Linguistic Society of America Annual Meeting, Cognitive Science Society, Many Paths to Language Acquisition, Berkeley Linguistics Society

**Adhoc Grant Reviewing:** UK Medical Research Council, Research Grants Council of Hong Kong

#### **Organizing**

2022 Co-organizer with Katie Franich: Linquistic Society of America Symposium on "Suitcase phonetics: Creating a portable phonetics laboratory" at the 2022 Linguistic Society of America Meeting 2021 Co-organizer LangVIEW International Summer/Winter School on Language Acquisition, Pedagogical Team 2020 Co-organizer Berkeley Linguistics Society Workshop (BLS 2020): Phonological Representations. Co-organizer 10th Annual Computational Paralinquistics Challenge 2019 (ComParE): Interspeech 2019 2017 **Organizer**, Berkeley Women in Linguistics Working Group Conference Organizer, Berkeley Linguistics Society (BLS42) 2017 2017 Conference Organizer, Institute for European Studies Conference 2016-2017 **Organizer**, Berkeley Phonetics & Phonology Phorum Committees 2021-2024 **Appointed Member**, Acoustical Society of America Speech

Communication Technical Committee

2017-present Pre-PI Representative and pre-PI group organizer, DARCLE Board (Daylong Audio Recordings of Children's Linguistic Environments)

Member University of Maryland Language Science Center

taskforce on undergraduate education

2015-2017 Alternate Representative, Graduate Student Assembly, UC Berkeley

### **Skills**

Software Python, R, SQL, shell scripting, Praat (analysis, scripting), Git,

OpenSesame, LaTeX, Audacity, CLAN, Fieldwork tools (ELAN, FLEX)

Eyetracking (EyeLink 1000), Ultrasound (Edgetrak), Hardware

Language Environment Analysis (LENA)

### Languages

Native **English** 

2021

Near-native Spanish, French Conversational **Portuguese** 

Catalan, Romanian (undergraduate coursework) Readina Research **South Bolivian Quechua** (coursework 2016-2017; fieldwork 2017-present)

**Ecuadorian Quechua, Yucatec Maya** (graduate coursework)

# **Professional Affiliations**

Acoustical Society of America Linguistic Society of America International Congress of Infant Studies International Phonetic Association Phi Beta Kappa