# 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

2012 B.A., Spanish, B.A., English, B.A., French, Butler 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-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-Investigators). Total estimated cost: \$30,000.

Other

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

(Principal Investigator). Edwards, J., & Newman, R (Co-

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

Accepted **Cychosz, M.** Language exposure predicts children's phonetic patterning: Evidence from language shift. Language. [pre-print]

2021 **Cychosz, M.,** Newman, R., Munson, B., & Edwards, J. Auditory

feedback experience in the development of phonetic

development: Evidence from children with cochlear implants and their normal-hearing peers. Journal of the Acoustical Society of

America. [paper]

2021 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. 12, 712647. [paper]

2021 **Cychosz, M.**, Villanueva, A., & Weisleder, A. Efficient estimation of

children's language exposure in two bilingual communities. *Journal of Speech, Language and Hearing Research*. 64(10), 3843-3866.

[paper]

2021 **Cychosz, M.,** Munson, B., & Edwards, J. Practice and experience

predict coarticulation in child speech. Language Learning and

Development. 17(4), 366-396. [paper]

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

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

2021 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. 24(5), e13090. [paper] 2021 Cychosz, M., Erskine, M., Munson, B., & Edwards, J. A lexical advantage in four-year-old children's word repetition. Journal of Child Language. 48(1), 31-54. [pubmed] 2020 Cychosz, M.\*, 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. [paper] 2019 Cychosz, M., Edwards, J., Munson, B., & Johnson, K. Spectral and temporal measures of coarticulation in child speech. Journal of the Acoustical Society of America-EL, 146(6), EL516-EL522. 2018 **Cychosz, M.** Bilingual adolescent vowel production in the Parisian suburbs. International Journal of Bilingualism, 23(6), 1291-1315. Manuscripts under review Under review Cychosz, M.\*, & Cristia, A.\* Using big data from long-form recordings to study development and optimize societal impact. [pre-print] Under review Cychosz, M. & Newman, R. Units of processing in perceptual normalization for speaking rate. [pre-print] Fully peer-reviewed conference proceedings 2019 Lin, S.\*, Cychosz. M.\*, Shen, A.\*, & Cibelli, E. The effects of phonetic training and visual feedback on novel contrast production. In Proceedings of the 19th International Congress of Phonetic Sciences. Melbourne, Australia. 2019 Schuller, B. W. Batliner, A. Bergler, C., Pokorny, F. B., Krajewski, J., Cychosz, M., 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 Proceedings of Interspeech 2019, Graz, Austria. 2018 Cychosz, M. Functional load and frequency as predictors of consonant emergence across five languages. In Proceedings of the 40th Annual Meeting of the Cognitive Science Society.

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 <i>Proceedings of the 42nd Annual Boston University Conference on Language Development</i> .
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 corpora
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 South Bolivian Quechua and Spanish speech)
2016	Escobar, E., <b>Cychosz, M.</b> Hayes, D., Lapierre, M., Raskit, T. L., Michael, L., Nee, J. E., & Remirez, E. <i>Berkeley Field Methods: South Bolivian Quechua, SCL 2016-13</i> , Survey of California and Other Indian Languages. University of California, Berkeley. DOI: 10.7297/X2T72FMM.

Published repositories (scripts + tutorials)
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2020 Cychosz, M. Categorize app. GitHub Repository. github.com/megseekosh/Categorize\_app\_v2 2020

Cychosz, M. Triple formant tracker. Github Repository.

github.com/megseekosh/vocal\_tract\_vowel

\* Denotes shared first authorship

# Fellowships and Awards

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2021	Young Investigator Travel Award
	\$500, Women in Acoustics & Acoustical Society of America
2021	Open Access Publishing Award
0001	\$1475, University of Maryland
2021	Strategic Plan Presentation Winner (for exemplifying international
	research related to children's development)
2019	Society for Research on Child Development  Raymond H. Stetson Scholarship in Phonetics and Speech Science
2017	\$30,000, Acoustical Society of America
2019	Indigenous Languages of Latin America (ILLA) Travel Grant
2017	\$1000, UC Berkeley
2019	Oswalt Documenting Endangered Languages Grant
	\$4500, UC Berkeley
2018, 2019	Student Travel Subsidy Award
	Acoustical Society of America
2018	Student Technology Fund Grant, UC Berkeley
	to fund recording and field equipment for child language
	data collection in Bolivia
2018	Oswalt Documenting Endangered Languages Grant
C	\$5000, UC Berkeley
Spring & Fall 2018	Dissertation Completion Fellowship
2017	UC Berkeley Society for Language Development Student Award
2017	(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
0015 0017	UC Berkeley
2015, 2017	Student Technology Fund Grant
	UC Berkeley

with Keith Johnson and Auburn Barron-Lutzross to fund

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recording equipment for UC Berkeley Sociophonetic Arec	ľ
for Recording Conversational Language	

2013 2012 2011-2015,

annually

Summer Research Grant, Indiana University

Phi Beta Kappa

Kappa Alpha Theta academic scholarship

### **Presentations**

Invited Talks (external)

May 2022 Cychosz, M. "What long-distance coarticulation can tell us about

coarticulatory development." Invited talk part of special session "Perspectives on Long Distance Coarticulation" 183<sup>rd</sup> 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, Neurolinguistics, and Phonetics/Phonology (SNaP) Meeting. Newark, DE.

October 2020 **Cychosz, M.** Environmental influences on children's phonetic

development. UCLA Phonetics Seminar. Los Angeles, CA.

April 2018 Cychosz, M. Functional load and frequency as predictors of

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.

#### Invited Talks (internal)

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. September 2017 **Cychosz, M.** Language specificity in phonological development. Presented for University of California, Berkeley, Language and Cognitive Development Lab, Berkeley, CA. Conference presentations 2022 Villanueva, A., Cychosz, M., & Weisleder, A. "Dual Language Input from Adults and Older Children in Two Communities." Poster to be given at the Special Topic Meeting: Construction of the 'Other': Development, Consequences, and Applied Implications of Prejudice and Discrimination. Society for Research in Child Development. Rio Grande, Puerto Rice. 2022 Villanueva, A., Cychosz, M., & Weisleder, A. Do bilingual infants experience each language in distinct interactional contexts? Presentation to be given as part of symposium "Children's exposure to and use of socially meaningful variation in language." Cognitive Development Society. Madison, WI. 2022 Cychosz, M. Language exposure and phonological working memory development. Talk given at the 96th Annual Meeting of the Linguistic Society of America. Washington, D.C. 2021 Cychosz, M., Edwards, J. R., Bernstein Ratner, N., Torrington Eaton, C., & Newman, R. Disentangling acoustic measures from lexical statistics in child-directed speech. Poster given at the 181st Meeting of the Acoustical Society of America. Seattle, WA. 2021 **Cychosz**, **M.** Nonword repetition patterns in a culture with infrequent child-directed speech. Poster given at the 46th Annual Boston University Conference on Language Development. Boston, MA. 2021 Cychosz, M., Munson, B., & Edwards, J. Children talking also matters: Language practice and experience predict speech production patterns. Talk given at the 15th Congress of the

International Association for the Study of Child Language.



	assess language development in infants." The International Congress of Infant Studies. Glasgow, UK.
2020	<b>Cychosz, M.</b> Coarticulation as a lens into children's lexical planning. Presented at the 94 <sup>th</sup> Annual Meeting of the Linguistic Society of America, New Orleans, LA.
2020	<b>Cychosz, M.</b> , & Tracy, E. Response time judgments indicate linguistic bias to bilingual speech. Presented at the 94 <sup>th</sup> Annual Meeting of the Linguistic Society of America, New Orleans, LA.
2019	<b>Cychosz, M.</b> , & Johnson, K. Novel acoustic measures of coarticulation reveal morphological planning in child speech. Presented at the 178 <sup>th</sup> Meeting of the Acoustical Society of America, San Diego, CA.
2019	<b>Cychosz, M.</b> , Lin, S., & Johnson, K. Estimating bilingual children's language exposure from daylong audio recordings. <i>California Meeting on Psycholinguistics</i> . Santa Cruz, CA. [Unable to attend]
2019	<b>Cychosz, M</b> . Holistic lexical storage: evidence from child speech. Presented at the 19 <sup>th</sup> International Congress of Phonetic Sciences, 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. Presented at the 19 <sup>th</sup> International Congress of Phonetic Sciences. Melbourne, Australia.
2019	<b>Cychosz, M.</b> , Munson, B., & Edwards. J. Familiarity and practice predict autonomy in children's speech gestures. Presented at the Workshop on Modeling the Development of Speech Planning in Production. Macquarie University, Sydney Australia.
2019	<b>Cychosz, M.</b> Coarticulation varies by consonant identity in adult and child speech. Presented at the 177 <sup>th</sup> Meeting of the Acoustical Society of America, Louisville, Kentucky.
2018	<b>Cychosz, M.</b> , & Tracy, E. Bilingual speech associations in phonetic representation. Presented at the 176 <sup>th</sup> Meeting of the Acoustical Society of America, Victoria, BC, Canada.
2018	<b>Cychosz, M.</b> , 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	<b>Cychosz, M</b> . Functional load and frequency as predictors of consonant emergence across five languages. Presented at the 40 <sup>th</sup> 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. 2017 Cychosz, M. & Kalt, S. The contribution of functional load on 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 Cychosz, M. Variation in the signal: Social correlation in a completed sound change. Presented at New Ways of Analyzing Variation 44, Toronto, Canada.

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2021 Newswise. Variabilities in Children's Speech Perhaps Not So Concerning. https://www.newswise.com/articles/variabilities-inchildren-s-speech-perhaps-not-so-concerning

2021 American Association for the Advancement of Science (AAAS).

Variabilities in children's speech perhaps not so concerning.

https://www.eurekalert.org/pub releases/2021-06/asog-vic060321.php

2021 **News-Medical.net.** Reconsidering the variations in children's

speech. <a href="https://www.news-">https://www.news-</a>

medical.net/news/20210609/Reconsidering-the-variations-in-

childrens-speech.aspx

## **Teaching Experience**

University of Maryland, College Park: Tutorials & Workshops

Winter 2022 RMarkdown for intermediate/advanced R users, Primary Instructor Winter 2022 Getting started with grant writing, Workshop leader 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 **Linguistics: Phonetics**, Graduate student instructor

Primary instructor: Susan Lin

**Psychology: Language Development**, Graduate student instructor Spring 2019

Primary Instructor: Mahesh Srinivasan

Summer 2018 Linguistics/Psychology: Language Development, Primary Instructor Fall 2017

**Linguistics: Historical Linguistics**, Graduate student instructor

Primary Instructor: Andrew Garrett

**Indiana University: Courses** 

Spring 2014 **Spanish 200**, primary instructor

Fall 20	13
Spring	2013
Fall 20	12

### **Spanish 105**, primary instructor

## Advising/Mentoring

### **UC Berkeley**

2020	Adela Arriola
2020	Hitomi Torng
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, Aeshah Tawfik, Farheen Ahmed
2020-2021	Kavya Ganesan, Kaliyah Gowing
2018-present	Michele Liquori
2018-2019	Becca Higgins

## Other Professional Experience

Summer 2016	Visiting Research Assistant (Computer Science)
	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, Child Development, Developmental Science, Ear and Hearing, Frontiers in Psychology: Language Sciences, Journal of Child Language, Journal of Phonetics **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	<b>Co-organizer</b> with Katie Franich: Linguistic Society of America Symposium on "Suitcase phonetics: Creating a portable phonetics laboratory" at the 2022 Linguistic Society of America Meeting
2021	<b>Co-organizer</b> LangVIEW International Summer/Winter School on Language Acquisition, Pedagogical Team
2020	<b>Co-organizer</b> Berkeley Linguistics Society Workshop (BLS 2020): Phonological Representations.
2019	<b>Co-organizer</b> 10 <sup>th</sup> Annual Computational Paralinguistics Challenge (ComParE): Interspeech 2019
2017 2017 2017 2016-2017	Organizer, Berkeley Women in Linguistics Working Group Conference Organizer, Berkeley Linguistics Society (BLS42) Conference Organizer, Institute for European Studies Conference Organizer, Berkeley Phonetics & Phonology Phorum
	Leadership
2021-2024 2017-present	Appointed Member, Acoustical Society of America Speech Communication Technical Committee Board member and pre-PI group organizer, DARCLE (Daylong Audio Recordings of Children's Linguistic Environments)
	Committees/Other
2021	
	Member University of Maryland Language Science Center
2020	taskforce on undergraduate education  Session Chair (Phonetics), Linguistics Society of America 2021
2020 2015-2017	taskforce on undergraduate education
	taskforce on undergraduate education  Session Chair (Phonetics), Linguistics Society of America 2021  Annual Meeting

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

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

Wearable technologies (LENA, etc.)

## Languages

Native English

Near-native Spanish, French Conversational Portuguese

Reading Catalan, Romanian (undergraduate coursework)
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 Phonetic Association Phi Beta Kappa