Meg Cychosz

Department of Hearing & Speech Sciences 0100 LeFrak Hall University of Maryland, College Park College Park, MD 20742 Mail: mcychosz@umd.edu Web: megseekosh.github.io Git: github.com/megseekosh

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

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	Cychosz, M. , 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., Cychosz, M. , 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	Cychosz, M. , & 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	Cychosz, M. , & Kalt, S. Language-specific sources of acoustic stability. In <i>Proceedings of the 42nd Annual Boston University</i> Conference on Language Development.
2016	Cheng, A., Faytak, M., & Cychosz , M . Language, race, and vowel space: Contemporary California English, <i>Proceedings of the 42nd Annual Meeting of the Berkeley Linguistics Society</i> . (Vol. 42). Berkeley, California.
	Datasets and corpora
2020	Cychosz, M.* , 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	Cychosz, M., 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	Cychosz, M. 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., Cychosz, M. 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: 10.7297/X2T72FMM.

Published	d 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

	Tellowships and Awards
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)
0010	Society for Research on Child Development
2019	Raymond H. Stetson Scholarship in Phonetics and Speech Science
2019	\$30,000, Acoustical Society of America
2019	Indigenous Languages of Latin America (ILLA) Travel Grant
2019	\$1000, UC Berkeley
2019	Oswalt Documenting Endangered Languages Grant \$4500, UC Berkeley
2018, 2019	Student Travel Subsidy Award
2010, 2017	Acoustical Society of America
2018	Student Technology Fund Grant, UC Berkeley
2010	to fund recording and field equipment for child language
	data collection in Bolivia
2018	Oswalt Documenting Endangered Languages Grant
2010	\$5000, UC Berkeley
Spring & Fall 2018	Dissertation Completion Fellowship
opinig at i an 2010	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

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recording equipment for UC Berkeley Sociophonetic Arec
for Recording Conversational Language

Summer Research Grant, Indiana University

2013 2012 Phi Beta Kappa 2011-2015, Kappa Alpha Theta academic scholarship

annually

Presentations

Invited Talks (external)

May 2022 Cychosz, M. Mechanisms behind coarticulatory development in

> 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, 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)

Cychosz, M. Daylong audio recordings in linguistic research: October 2019 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. 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 to be 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. 2021 Kuzminykh, N...Cychosz, M...Cristia, A. What day-long audiorecordings can tell us about children's vocal development. Talk given at the Münster Conference on Linguistic Representations and Language Processing. 2021 Villanueva, A., Cychosz, M., & Weisleder, A. Dual language input from adults and older children in two communities. Poster given at the 2021 Society for Research in Child Development Biennial Meeting.

2021	Kuzminykh, N Cychosz, M .,Cristia, A. Effect of age and language phonological complexity on children's vocalizations. Flash paper given at the 2021 Society for Research in Child Development Biennial Meeting.
2021	Cychosz, M. Language exposure predicts bilingual children's speech patterns. Talk given at the 95 th Annual Meeting of the Linguistic Society of America. San Francisco, CA.
2021	Cychosz, M . & Johnson, K. Children do not uniformly compensate for their vocal tract morphologies. Talk given at the 95 th Annual Meeting of the Linguistic Society of America. San Francisco, CA.
2021	Marin, N Cychosz, M Cristia, A. Out of the mouth of babes: The effects of phonological complexity on early language acquisition. Presented at the <i>Budapest CEU Conference on Cognitive Development</i> .
2020	Cychosz, M . Do children compensate for their vocal tract morphologies? Poster given at the 179 th Meeting of the Acoustical Society of America.
2020	Cychosz, M. Language exposure predicts bilingual children's speech patterns. Talk given at the 45 th Annual Boston University Conference on Language Development. Boston, MA.
2020	Villanueva, A., Cychosz, M. , & Weisleder, A. Dual language input from adults and older children in two communities. Poster given at the Many Paths to Language Acquisition Workshop, Nijmegen, The Netherlands.
2020	Cychosz, M. , Villanueva, A., & Weisleder, A. Efficient estimation of bilingual children's language exposure from daylong audio recordings. Poster given at the <i>Many Paths to Language Acquisition Workshop</i> , Nijmegen, The Netherlands.
2020	Cychosz, M., Cristia, A, Bergelson, E., Casillas, M., Baudet, G., Warlaumont, A. S., Scaff, C., Yankowitz, L., & Seidl, A. Canonical babble development in a largescale, cross-linguistic corpus. Presentation given as part of symposium "Novel technologies to assess language development in infants." The International Congress of Infant Studies. Glasgow, UK.
2020	Cychosz, M . Coarticulation as a lens into children's lexical planning. Presented at the 94 th Annual Meeting of the Linguistic Society of America, New Orleans, LA.
2020	Cychosz, M., & Tracy, E. Response time judgments indicate

	linguistic bias to bilingual speech. Presented at the 94 th Annual Meeting of the Linguistic Society of America, New Orleans, LA.
2019	Cychosz, M. , & Johnson, K. Novel acoustic measures of coarticulation reveal morphological planning in child speech. Presented at the 178 th Meeting of the Acoustical Society of America, San Diego, CA.
2019	Cychosz, M. , 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	Cychosz, M. Holistic lexical storage: evidence from child speech. Presented at the 19 th International Congress of Phonetic Sciences, Melbourne, Australia.
2019	Lin, S.*, Cychosz. M. *, Shen, A., & Cibelli, E. The effects of phonetic training and visual feedback on novel contrast production. Presented at the 19 th International Congress of Phonetic Sciences. Melbourne, Australia.
2019	Cychosz, M. , 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	Cychosz, M. Coarticulation varies by consonant identity in adult and child speech. Presented at the 177 th Meeting of the Acoustical Society of America, Louisville, Kentucky.
2018	Cychosz, M. , & Tracy, E. Bilingual speech associations in phonetic representation. Presented at the 176 th Meeting of the Acoustical Society of America, Victoria, BC, Canada.
2018	Cychosz, M. , Erskine, M., & Edwards, J. The lexical advantage: Four year old children learn words, not sounds. Presented at the 43 rd 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 40 th Annual Meeting of the Cognitive Science Society, Madison, WI.
2018	Cychosz, M. Cross-linguistic predictors of consonant emergence, Presented at the <i>International Child Phonology Conference</i> , Crete, Greece.
2017	Cychosz, M. & Kalt, S. Language-specific sources of acoustic stability in phonological development. Presented at the 42 nd Boston University Conference on Language Development, Boston, MA.



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2021 **Newswise.** Variabilities in Children's Speech Perhaps Not So

Concerning. https://www.newswise.com/articles/variabilities-in-

children-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/asoa-vic060321.php

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

speech. https://www.news-

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

childrens-speech.aspx

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 Linguistics: Phonetics, Graduate student instructor

Primary instructor: Susan Lin

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

Primary Instructor: Mahesh Srinivasan

Summer 2018

Fall 2017

Linguistics/Psychology: Language Development, Primary Instructor

Linguistics: Historical Linguistics, 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

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 **Co-organizer** 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 **Co-organizer** LangVIEW International Summer/Winter School on Language Acquisition, Pedagogical Team 2020 **Co-organizer** Berkeley Linguistics Society Workshop (BLS 2020): Phonological Representations. 2019 Co-organizer 10th Annual Computational Paralinguistics Challenge (ComParE): Interspeech 2019 2017 **Organizer**, Berkeley Women in Linguistics Working Group 2017 Conference Organizer, Berkeley Linguistics Society (BLS42) 2017 Conference Organizer, Institute for European Studies Conference 2016-2017 Organizer, Berkeley Phonetics & Phonology Phorum Leadership 2021-2024 **Appointed Member**, Acoustical Society of America Speech Communication Technical Committee 2017-present 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 taskforce on undergraduate education 2020 Session Chair (Phonetics), Linguistics Society of America 2021 Annual Meeting 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 Wearable technologies (LENA, etc.) Languages Native **English** Near-native Spanish, French Conversational **Portuguese** Reading Catalan, Romanian (undergraduate coursework) South Bolivian Quechua (coursework 2016-2017; Research

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