Meg Cychosz

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University of Maryland, College Park
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Professional experience

June 2020-present	**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   **Cychosz, M**., Gordon, A., Odimegwu, O.,Connolly, O., Bellassai, J., & Roemmele, M. Effective Scenario Designs for Free-text Interactive Fiction. *Proceedings of the 10th International Conference on Interactive Digital Storytelling (ICIDS)*. Madeira, Portugal.

2017   Bellassai, J., Gordon, A., Roemmele, M., **Cychosz, M.**, Odimegwu, O., & Connolly, O. Unsupervised Text Classification for Natural Language Interactive Narratives. *Proceedings of the 10th International Workshop on Intelligent Narrative Technologies (INT10)*. 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 *Proceedings of the 42nd Annual Boston University Conference on Language Development*.

2016   Cheng, A., Faytak, M., & **Cychosz, M**. Language, race, and vowel space: Contemporary California English*, Proceedings of the 42nd Annual Meeting of the Berkeley Linguistics Society*. (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 repositories (scripts + tutorials)

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

2021   **Young Investigator Travel Award**
              $500, Women in Acoustics & Acoustical Society of America
2021   **Open Access Publishing Award**
              $1,475, University of Maryland
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   **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**
              $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 (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.

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   **Cychosz, M**. Language exposure and phonological working memory development. Talk to be given at the 96*th Annual Meeting of the Linguistic Society of America*. Washington, D.C.

2021   **Cychosz, M**. Nonword repetition patterns in a culture with infrequent child-directed speech. Poster to be given at the 46*th 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 audio-recordings 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 *95th 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 *Budapest CEU Conference on Cognitive Development*.
2020	**Cychosz, M**. Do children compensate for their vocal tract morphologies? Poster given at the *179th Meeting of the Acoustical Society of America*.
2020	**Cychosz, M.** Language exposure predicts bilingual children's speech patterns. Talk given at the *45th 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 *Many Paths to Language Acquisition Workshop*, 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 *94th 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 94thAnnual 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 *178th 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. *California Meeting on*

Psycholinguistics. Santa Cruz, CA. [Unable to attend]

2019   **Cychosz, M**. Holistic lexical storage: evidence from child speech. Presented at the *19th 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 *19th 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 *177th Meeting of the Acoustical Society of America*, Louisville, Kentucky.

2018   **Cychosz, M.**, & Tracy, E. Bilingual speech associations in phonetic representation. Presented at the *176th 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 *43rd 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 *42nd 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 *4th 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.

Press

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
2021	**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	**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 2013	**Spanish 105**, primary instructor
Spring 2013	
Fall 2012	

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

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)
Hardware	Eyetracking (EyeLink 1000), Ultrasound (Edgetrak), Wearable technologies (LENA, UCB recorders, 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