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.

NIH-NIDCD Extramural Clinical Loan Repayment Program. "How 2021-present 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 production: Evidence from children with cochlear implants and their normalhearing 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]

Cychosz, M., Cristia, A, Bergelson, E., Casillas, M., Baudet, G., Warlaumont, A. S., Scaff, C., Yankowitz, L., & Seidl, A. Vocal

2021

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. & Newman, R. Units of processing in perceptual normalization for speaking rate. [pre-print] **Book chapters** 2022 Cychosz, M.*, & Cristia, A.* Using big data from long-form recordings to study development and optimize societal impact. In Advances in Child Development and Behavior, ed. J.J. Lockman & R. Gilmore. Vol. 62, pp. 1-36. Cambridge, MA: Academic Press. [pubmed] 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.

development in a large-scale, crosslinguistic corpus. Developmental Science. 24(5), e13090. [paper]

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. <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. <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. aithub.com/measeekosh/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** \$1475, University of Maryland Strategic Plan Presentation Winner (for exemplifying international 2021 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 \$1000, UC Berkeley Oswalt Documenting Endangered Languages Grant 2019 \$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 \$5000, UC Berkeley **Dissertation Completion Fellowship** Spring & Fall 2018 **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 2012 2011-2015, annually	Summer Research Grant, Indiana University Phi Beta Kappa Kappa Alpha Theta academic scholarship
	Presentations
	Invited Talks (external)
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 rd Meeting of the Acoustical Society of America. Denver, CO.
2022	Cychosz, M. "Coarticulation, compensation, and phonetic change." ZAS Berlin: Phonetics & Phonology. Berlin, Germany.
2022	Cychosz, M. "Speech biases and the speech environment." Johns Hopkins Cognitive Science Colloquium, Baltimore, MD.
2022	Cychosz, M. "Coarticulation, compensation, and phonetic change." Harvard University Linguistics Colloquium, Cambridge, MA.
2022	Cychosz, M. "Coarticulation, compensation, and phonetic change." UCLA Linguistics Colloquium, Los Angeles, CA.
2022	Cychosz, M. "Environmental influences on children's phonetic development." San Diego State Speech, Language, and Hearing Sciences Colloquium, San Diego, CA.
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 regardingthe field of acoustics to the news media, science writers, and other interested parties."]
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]
2021	Cychosz, M. Environmental influences on speech development. University of Delaware Syntax, Neurolinguistics, and Phonetics/Phonology (SNaP) Meeting. Newark, DE.
2020	Cychosz, M. Environmental influences on children's phonetic

development. UCLA Phonetics Seminar. Los Angeles, CA.

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.
2018	Cychosz, M. Cross-linguistic predictors of consonant emergence. Presented for University of Maryland, Learning to Talk lab. College Park, MD.
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)
2019	Cychosz, M. Daylong audio recordings in linguistic research: Collection, management, and use. Presented for the Group on American Indian Languages, Berkeley, CA.
2019	Cychosz, M . Child learners and daylong recording methods: New challenges in linguistic fieldwork. Presented for the UC Berkeley Fieldwork Forum, Berkeley, CA.
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 96 th 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 181 st Meeting of the Acoustical Society of America. Seattle, WA.





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. 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 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.

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2015	Cycnosz, M.	variation	in the	sianai: Soc	ial correlation in a

completed sound change. Presented at New Ways of Analyzing

Variation 44. Toronto, Canada.

Teaching Experience

University of Maryland, College Park: Tutorials & Workshops

Winter 2022 RMarkdown for intermediate/advanced R users, Primary Instruct	Winter 2022	RMarkdown	for intermediate/	'advanced R use	ers, Primary	/ Instructor
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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

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

Karina Fong-Hirschfelder 2019-2020

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

2017-2018 Benjamin Papadopoulos

2016-2017 Sofea Dil

University of Maryland

2021-present 2020-2021 2018-present 2018-2019	Ria Garg, Aeshah Tawfik, Farheen Ahmed Kavya Ganesan, Kaliyah Gowing Michele Liquori 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, Diachronica, 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 10 th 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-Pl 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, 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