
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

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.**, 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](#)]

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.**, 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.
- 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-L*, 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](#)]
- Under review **Cychosz, M.** Language exposure predicts children's phonetic patterning: Evidence from language shift. [[pre-print](#)]

Fully peer-reviewed conference proceedings

- 2019 **Cychosz, M.** Holistic lexical storage: Coarticulatory evidence from child speech. In *Proceedings of 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. 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 other resources

- 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 children learning South Bolivian Quechua and Spanish)
- 2016 Escobar, E., **Cychosz, M.** Hayes, D., Lapierre, M., Raskit, T. L., Michael, L., Nee, J. E., & Ramirez, 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.

* Denotes shared first authorship

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	Student Technology Fund Grant , UC Berkeley <i>to fund recording and field equipment for child language data collection in Bolivia</i>
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 <i>to fund recording equipment for UC Berkeley Sociophonetic Area for Recording Conversational Language</i>
2013	Summer Research Grant , Indiana University
2012	Phi Beta Kappa

2011-2015,
annually

Kappa Alpha Theta academic scholarship

Presentations

Invited Talks

- | | |
|---------------|---|
| May 2022 | Cychosz, M. Mechanisms behind coarticulatory development in children. Invited talk part of special session "Perspectives on Long Distance Coarticulation" 183 rd 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." 181 st 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. |
| 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. |
| 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.
- September 2017 **Cychosz, M.** Language specificity in phonological development. Presented for University of California, Berkeley, Language and Cognitive Development Lab, Berkeley, CA.
- Conference presentations**
- 2021 **Cychosz, M.** Nonword repetition patterns in a culture with infrequent child-directed speech. Poster to be 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 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 *95th 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 94th 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 *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
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-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, Frontiers in Psychology: Language Sciences, 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: 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

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)
2021	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)
Hardware	Eyetracking (EyeLink 1000), Ultrasound (Edgetrak), Language ENVironment Analysis (LENA)

Languages

Native
Near-native
Conversational
Reading
Research

English
Spanish, French
Portuguese
Catalan, Romanian (undergraduate coursework)
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