Meg Cychosz

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Professional experience

2023-present   **Assistant Professor,** Department of Linguistics,
University of California, Los Angeles

2022-present   **Research Associate**, Department of Otolaryngology,
Children's Communication Center,
University of California, San Francisco

2020-23   **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

2020	**Ph.D., Linguistics,** University of California, Berkeley
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

2022	**Introduction to Bayesian Data Analysis** Sixth Summer School on Statistical Methods for Linguistics and Psychology, Potsdam, Germany
2022	**Acoustical Society of America School Trainee** Englewood, CO
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

2025   Google Academic Research Grant. "Multi-modal AI systems for modeling the impact of hearing loss on child language development." **Cychosz, M.** (PI), Venkataraman, A. (PI). $6,000

2025   Albert and Elaine Borchard Foundation International Colloquium Grant. "Towards increased diversity in early language development research." **Cychosz, M.** (recipient). Total direct cost: $40,000.

2024-25   Hearing Health Foundation Emerging Research Grant. "Leveraging automatic speech recognition algorithms to understand how the home listening environment impacts spoken language development among infants with cochlear implants." **Cychosz, M.** (PI). Total direct cost: $44,902.

2023-24   American Speech-Language-Hearing Foundation New Investigators Research Grant. "The impact of cochlear implant device limitations on preschoolers' real-time phonological processing skills." **Cychosz, M.** (PI). Total direct cost: $10,000.

Current: Internal

2025-26   UCLA Office of Research and Creative Activities Acceleration Grant. "Language development of bilingual children with hearing loss in Los Angeles." **Cychosz, M.** (PI). Total cost: $29,933.

2024-27   NIH KL2TR001882 UCLA Clinical & Translational Science Institute. "Leveraging automatic speech recognition and neuro-imaging to develop biomarkers of language delay in pediatric cochlear implant recipients." **Cychosz, M.** (Role: Scholar, and PI of sub-award). Sub-award total direct cost to Cychosz: $390,000.

2024   UCLA Academic Senate Faculty Grants Program. "Understanding speech and language development in deaf children with cochlear implants." **Cychosz, M.** (PI). Total cost: $5,000.

Current: Advisees

2025   **UCLA Undergraduate Research Fellowship Program Award**
        $3000 to Emma Montilla (Mentee), Cychosz (Mentor)

2024-2025   **UCLA/Keck Humanistic Inquiry Mentored Undergraduate Research Award**
        $8000 to Arjun Pawar (Mentee), Cychosz (Mentor)

2024-25	American Academy of Otolaryngology-Head and Neck Surgery Foundation Resident Research Award. "Automated speech processing as a predictive tool for speech and language outcomes." Sola, A.M.[††] (PI), Chan, D.K. (Mentor), **Cychosz, M.** (Mentor). Total direct cost: $10,000.
2024	**UCLA Undergraduate Mentored Summer Fellows Program Award** $3000 to Arjun Pawar (Mentee), Cychosz (Mentor)

Other/Past

2021-23	NIH-NIDCD F32 Individual Postdoctoral Training Grant. "How children with cochlear implants learn speech from their environments." **Cychosz, M.** (PI). Edwards, J., & Newman, R (Co-Investigators). Total cost: $137,999.
Awarded	NSF-SBE Postdoctoral research fellowship (SPRF). **Cychosz, M.** (PI). Edwards, J., & Newman, R (Co-Investigators). Total cost: $137,169. [Declined due to overlap.]
2020-21	NIH-NIDCD T32DC000046 "Training grant on comparative and evolutionary biology of hearing." **Cychosz, M.** (Postdoctoral trainee).

Publications

Refereed journals

Accepted	**Cychosz, M.*** Villanueva, A.,*[†] & Weisleder, A. Bilingual language input to infants in Bolivia and the United States. *Infancy*. [pre-print]
To appear	**Cychosz, M**., Scarpelli, C., Stephans, J., Sola, A. M.,[††] Kolhede, K., Ramirez, R., Christianson, E., Chan, V., & Chan, D. K. Cochlear implantation rapidly increases spontaneous and responsive speech vocalizations in children who are deaf: Implications for spoken language development. *Ear and Hearing*. [pre-print]
2025	**Cychosz, M.**, Romeo, R., Edwards, J., & Newman, R. Bursty, irregular speech input to preschoolers predicts vocabulary size. *Developmental Science, 28*(1), e13590. [pre-print]
2024	Cristia, A., Gautheron, L., Zhang, Z., Schuller, B., Scaff, C., Rowland, C., Räsänen , O., Peurey, L., Lavechin, M., Havard, W., Fausey, C., Cychosz, M., Bergelson, E., Anderson, H., Al Futaisi N., Soderstrom, M. Establishing the reliability of metrics extracted from long-form recordings using LENA and the ACLEW pipeline. *Behavior Research Methods, 56*, 8588-8607.

2024   **Cychosz, M**., Winn, M., & Goupell, M. How to vocode: using channel vocoders for cochlear implant research. *Journal of the Acoustical Society of America, 155*(4), 2407-2437. [paper]

2024   **Cychosz, M**., Edwards, J., Munson, B., Romeo, R. R., Kosie, J., & Newman, R. The everyday speech environments of preschoolers with and without cochlear implants. *Journal of Child Language*. 1-22. [paper]

2023   **Cychosz, M.,** Mahr, T., Munson, B., Newman, R., & Edwards, J. Preschoolers rely on rich speech representations to process variable speech. *Child Development, 94*, e197-e214. [paper]

2023   **Cychosz, M**., Xu, K., & Fu, Q.-J.. Effects of spectral smearing on speech understanding and masking release in simulated bilateral cochlear implants. *PLOS One, 18*(11), e0287728. [paper]

2023   Aravena-Bravo, P…**Cychosz, M**…Woon, F. T. Towards Diversifying Early Language Development Research: First Truly Global International Summer/ Winter School on Language Acquisition (/L+/) 2021. *Journal of Cognition and Development*. [paper]

2023   **Cychosz, M.** & Newman, R. Perceptual normalization for speaking rate occurs below the level of the syllable. *Journal of the Acoustical Society of America, 153*, 1486-1495. [paper]

2023   Cristia, A., Foushee, R., Aravena-Bravo, P., **Cychosz, M.,** Scaff, C., & Casillas, M. Combining observational and experimental approaches to the development of language and communication in rural samples: Opportunities and challenges. Invited keynote submission to *Journal of Child Language* in celebration of the journal's 50th anniversary, *50*(3), 495-517. [paper]

2022   **Cychosz, M.** Language exposure predicts children's phonetic patterning: Evidence from language shift. *Language, 93*(3), 461 498. [paper]

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 normal-hearing peers. *Journal of the Acoustical Society of America, 150*(3), 2256-2271. [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.

Manuscripts under review

Under review	Suresh, M.,*† Zhang, T.,*† Hitczenko, K., Cristia, A. & **Cychosz, M.** Employing self-supervised learning models for child speech maturity classification.
Under review	Wong, E.,† Koeppe, K., **Cychosz, M.**, & Munson, B. Gendered speech development in early childhood: Evidence from a longitudinal study of vowel and consonant acoustics.
Under review	Hitczenko, K. Bergelson, E., Casillas, M., Colleran, H., **Cychosz, M.**, Grosjean, P. Hamrick, L. R., Kelleher, B. L., Scaff, C., Seidl, A., Walker, S., & Cristia, A. A cross-linguistic study of the effect of early experience on vocal development. *Stage I registered report*.
Under review	Hitczenko, K., Peurey, L. Havard, W., Tey, K. J., Seidl, A., Semenzin, C., Scaff, C., Lavechin, M., Kelleher, B., Hamrick, L., Gautheron, L. **Cychosz, M.,** Casillas, M., & Cristia, A. Speech Maturity Dataset: A cross-cultural corpus of naturalistic child and adult vocalizations.

Under review	Pawar, A.[†] & **Cychosz, M.** Frequency and informativity of phonological input directed to children in the first four years of life.
Under review	Ott, C.[†] & **Cychosz, M.** Can automated vocal analyses over child-centered audio recordings be used to predict speech-language development?

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

2023	Hitczenko, K.,...**Cychosz, M.**,...Cristia, A. The development of canonical proportion continues past toddlerhood. In *Proceedings of the 20th International Congress of Phonetic Sciences*. Prague, Czech Republic.
2023	**Cychosz, M.**, Edwards, J., Munson, B., Romeo, R. R., Kosie, J., & Newman, R. The everyday speech environments of preschoolers with and without cochlear implants. In *Proceedings of the 20th International Congress of Phonetic Sciences*. Prague, Czech Republic.
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

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)

2024   **Cychosz, M.** *Introduction to Digital Signal Processing for Speech, Language, & Hearing Scientists*. Github repository. https://github.com/megseekosh/dsp_tutorials
This is an electronic textbook that I wrote in a series of Jupyter notebooks for advanced undergraduate students and graduate students in speech, language, and hearing sciences. It contains text explanation of concepts in digital signal processing as well as practice code, data, and tutorials.
       Ch. 1 Introduction
       Ch. 2 Measurement & Manipulation
       Ch. 3 Speech Synthesis

Ch. 4 Fourier Transforms
Ch. 5 Digital Filters

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

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2024   **Teaching and Learning Center Mini-Grant Program (x2)**
                    $300, UCLA
2023-2025   **NIH-NIDCD Extramural Clinical Loan Repayment Program Awardee**
2022   **Early Career Travel Subsidy**
                    $500, Acoustical Society of America
2021   **Young Investigator Travel Award**
                    $500, Women in Acoustics & Acoustical Society of America
2021   **Open Access Publishing Award**
                    $1475, University of Maryland
2021-2023   **NIH-NIDCD Extramural Clinical Loan Repayment Program Awardee**
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**
                    $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**
                    $5000, 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

2025	Invited speaker "Using longform recordings to study the relationship between culture and language exposure" at Longform Recordings Interdisciplinary Summit: Innovations and Insights in Language Development, Paris, France.
2025	University of Washington Department of Linguistics Colloquium
2025	Boys Town National Research Hospital Center for Deafness, Language, and Learning Series
2025	University of Rochester Department of Brain and Cognitive Sciences Colloquium
2024	Boston University Department of Speech, Language and Hearing Sciences Colloquium
2024	University of California, Berkeley Department of Linguistics Phonetics and Phonology Phorum
2024	Medical University of South Carolina Hearing Research Program Seminar Series
2024	House Ear Clinic Grand Rounds, Los Angeles, CA
2024	Northwestern University Department of Linguistics Colloquium
2024	Pomona Acquisition Workshop. Pomona College
2023	Journée scientifique de la Société de Linguistique de Paris [Scientific Day of the Parisian Linguistic Society.]. Ecole normale supérieure. Paris, France.
2023	Bridge2AI Voice: Voice as a Biomarker of Health. Washington, D.C.

2022	University of Pennsylvania Integrated Language Science and Technology (ILST) Seminar Series.
2022	Invited talk part of special session "Perspectives on Long Distance Coarticulation" 182nd Meeting of the Acoustical Society of America. Denver, CO.
2022	ZAS Berlin: Phonetics & Phonology. Berlin, Germany.
2022	Johns Hopkins Cognitive Science Department Colloquium.
2022	Harvard University Department of Linguistics Colloquium.
2022	UCLA Department of Linguistics Colloquium.
2022	San Diego Department of State Speech, Language, and Hearing Sciences Colloquium.
2021	"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."]
2021	"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.
2021	University of Delaware Syntax, Neurolinguistics, and Phonetics/Phonology (SNaP) Meeting.
2020	UCLA Department of Linguistics Phonetics Seminar.
2018	Georgetown University Linguistics Department PhonLab.
2018	University of Maryland Learning to Talk Lab.
2018	University of Maryland Project on Children's Language Learning.

Invited Talks (internal)

2024	Department of Psychology Developmental Area Forum, UCLA.
2024	UCLA-University of Tokyo Cochlear Implant Conference, UCLA.
2023	Speech Processing and Auditory Perception Laboratory, Department of Electrical Engineering, UCLA.

2022	University of Maryland Developmental Science Colloquium.
2022	"Academic Job Market 101." Language Science Lunch Talk, University of Maryland.
2019	"Daylong audio recordings in linguistic research: Collection, management, and use." Presented for the Group on American Indian Languages, Department of Linguistics, UC Berkeley.
2019	"Child learners and daylong recording methods: New challenges in linguistic fieldwork." Presented for the UC Berkeley Fieldwork Forum, UC Berkeley.
2017	Language and Cognitive Development Lab, Department of Psychology, UC Berkeley.

Conference presentations (since 2018)

2025	[††]Sola, A.M… **Cychosz, M.,** Chan, D.K.. "Pre-Implant Vocalizations Predict Post-Implant Language Development in Deaf Children." Poster given at the American Auditory Society. Scottsdale, AZ.
2024	[†]Tey, K.,..**Cychosz, M**.,..Cristia, A. "Exploring the impact of syllable complexity on canonical proportion in children: Insights from a multilingual and cross-cultural study." Poster given at the Workshop on Infant Language Development, Lisbon, Portugal.
2024	**Cychosz, M**. & [†]Pawar, A. "Bilingual language development as a lens into the relationship between child-directed speech and phonological processing." Poster given at the Biennial Conference on Laboratory Phonology. Seoul, South Korea.
2024	**Cychosz, M**., Hitczenko, K., Havard, W., Peurey, L., [†]Suresh, M., [†]Zhang, T., & Cristia, A. "Introducing the Speech Maturity Dataset: Research opportunities for speech scientists and linguistic fieldworkers." Talk given at the CorpusPhon Workshop, pre-workshop to the Biennial Conference on Laboratory Phonology. Seoul, South Korea.
2024	[††]Sola, A.M… Chan, D.K., & **Cychosz, M**. "Caregiver-child language activity pre-implantation predicts children's spoken language outcomes." Talk given at the American Cochlear Implant Alliance Meeting. Vancouver, Canada.
2023	[††]Scarpelli, C…**Cychosz, M**., & Chan, D.K. "Clinical utility of Language Environment Analysis (LENA) for caregiver coaching of children with cochlear implants." Talk given at the Society of Ear, Nose, and Throat Advancement in Children. Charleston, SC.

2023	††Scarpelli, C…**Cychosz, M**. "Vocal activity development before and after cochlear implant activation in infants and toddlers." Talk given at the Society of Ear, Nose, and Throat Advancement in Children. Charleston, SC.
2023	**Cychosz, M**., Edwards, J., Munson, B., Romeo, R. R., Kosie, J., & Newman, R. "Using Naturalistic Language Samples to Understand the Link between Language Input and Speech-Language Development in Preschoolers with Cochlear Implants." Poster given at the *41st Boston University Conference on Language Development*. Boston, MA.
2023	Hitczenko, K.,…**Cychosz, M**.,…Cristia, A. The development of canonical proportion continues past toddlerhood. Talk given at the *20th International Congress of Phonetic Sciences*. Prague, Czech Republic.
2023	**Cychosz, M**., Edwards, J., Munson, B., Romeo, R. R., Kosie, J., & Newman, R. "The everyday speech environments of preschoolers with and without cochlear implants." Talk given at the *20th International Congress of Phonetic Sciences*. Prague, Czech Republic.
2023	**Cychosz, M.,** Sola, A. M., Scarpelli, C., Stephans, J., Kolhede, K., & Chan, D.K. "Changes in infants' and toddlers' vocal activity before and immediately after cochlear implant activation." Poster given at the Conference on Implantable Auditory Prostheses (CIAP). Lake Tahoe, CA.
2023	**Cychosz, M**., Edwards, J., Munson, B., Romeo, R. R., Kosie, J., & Newman, R. "How do the everyday speech-language environments of preschoolers with and without cochlear implants predict their vocal maturity outcomes?" Talk given at the Conference on Implantable Auditory Prostheses (CIAP). Lake Tahoe, CA.
2023	**Cychosz, M**., Edwards, J., Munson, B., Romeo, R. R., Kosie, J., & Newman, R. "The everyday speech environments of preschoolers with and without cochlear implants." Talk given at the *20th International Congress of Phonetic Sciences*. Prague, Czech Republic.
2023	Gross, J.[†], **Cychosz, M.,** & Fu, Q.-J. "Effects of frequency-to-place mismatch in children listening to simulated unilateral and bilateral cochlear implant configurations." Poster given at the *184th Meeting of the Acoustical Society of America*. Chicago, IL.
2023	Bowler, C.[†] & **Cychosz, M**. "Exposure to electronic noise and the impact on language development in 3 & 4 year olds." Poster

given at the University of Maryland, College Park Undergraduate Research Day. College Park, MD.

2022   **Cychosz, M.**, Xu, K., & Fu, Q.-J. "Effects of spectral smearing on speech understanding and masking release in simulated bilateral cochlear implants." Poster given at the *183rd Meeting of the Acoustical Society of America*. Nashville, TN.

2022   Ahmed, F.[†], Newman, R., & **Cychosz, M.** "Syllable complexity in 24 month-old infants resulting from spontaneous mother-child vocal interactions." Poster given at the *183rd Meeting of the Acoustical Society of America*. Nashville, TN.

2022   Hitczenko, K.,… **Cychosz, M.**,…Cristia, A. "The development of canonical proportion continues through 6 years of age." Talk given at the 47th Annual Boston University Conference on Language Development. Boston, MA.

2022   **Cychosz, M.**, Munson, B., Newman, R., & Edwards, J. "The everyday speech soundscapes of preschoolers with and without cochlear implants." Talk given at the Mid-Atlantic Symposium on Hearing (MASH). College Park, MD.

2022   Garcia, R…**Cychosz, M**….Woon, F. "Running a truly international school on early language development." Poster given as part of thematic poster session on *Western Biases in Infant Research: The state of the field and strategies for change*. International Congress for Infant Studies. Ottawa, Canada.

2022   **Cychosz, M**., & Cristia, A. "Using big data from long-form recordings to study development and optimize societal impact." Poster given as part of thematic poster session on *Western Biases in Infant Research: The state of the field and strategies for change*. International Congress for Infant Studies. Ottawa, Canada.

2022   Garg, R.[†], Edwards, J., & **Cychosz, M**. "Effect of Everyday Speech Exposure on Children's Lexical and Phonological Development." Poster presented at the Society for Research on Child Language Development, Madison, WI.

2022   Villanueva, A., **Cychosz, M.,** & Weisleder, A. "Dual Language Input from Adults and Older Children in Two Communities." Poster 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 Rico.

2022   Villanueva, A., **Cychosz, M.,** & Weisleder, A. "Do bilingual infants

experience each language in distinct interactional contexts?" Presented 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 *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 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 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.

* Denotes shared first authorship [†]Denotes student trainee. [††]Denotes clinician or medical resident research trainee

Public Outreach

Public lectures for families of children with hearing loss

Sept 2024	**"Establishing a foundation for language growth following hearing loss diagnosis"** with Amy Martinez & Sonia Patrizi at the John Tracy Center Friday Family School [preschool for children with hearing loss], Los Angeles.
May 2024	**"The UCLA Speech and Cognitive Development Team Answer Frequently Asked Questions"** with Amy Martinez & Sonia Patrizi at the John Tracy Center Friday Family School, Los Angeles.
May 2024	**"In the classroom and on the playground: Translating at-home practices for school"** with Julianna Gross, Amy Martinez, & Sonia

Patrizi for the Los Angeles Unified School District Deaf and Hard-of-Hearing Program.

April 2024 **"Bilingual language development in children with hearing loss"** with Emma Montilla, Julianna Gross, Amy Martinez, & Sonia Patrizi at Building Connections [3-day educational retreat for families of children with hearing loss], Virtual.

March 2024 **"Look, Listen, Learn: How early talk at home helps your child learn language"** with Julianna Gross, Amy Martinez, & Sonia Patrizi at the John Tracy Center, Los Angeles.

Jan. 2024 **"Establishing a foundation for language growth following hearing loss diagnosis"** with Julianna Gross, Amy Martinez, & Sonia Patrizi at the John Tracy Center, Los Angeles.

August 2022 **"In the classroom and on the playground: Translating at-home practices for school"** with Christina Blomquist & Nicole Nguyen

July 2022 **"Look, Listen, Learn: How early talk at home helps your child learn language"** with Christina Blomquist & Nicole Nguyen

June 2022 **"After the hearing screening: Establishing a foundation for language growth following diagnosis"** with Christina Blomquist & Nicole Nguyen

Public Events Organized

Nov. 2024 **"Meet-and-greet for children with hearing loss"** [an educational and play session for children with hearing loss and their families] with Amy Martinez, Sonia Patrizi, and the John Tracy Center

April 2023 **"Cochlear Implant Meet-and-greet"** [an educational and play session for children with hearing loss and their families] with Christina Blomquist & Nicole Nguyen

Nov 2022 **"Cochlear Implant Meet-and-greet"** [an educational and play session for children with hearing loss and their families] with Christina Blomquist & Nicole Nguyen

Materials created for families and clinicians
My group regularly addresses questions that families/clinicians are interested in by writing public-facing research "reports" that synthesize the current state of the literature on a scientific topic related to children's auditory health & development

2024 [†]Valentino, C., [†]Gross, J., & **Cychosz, M.** "Is there a correlation between hearing loss and ADHD?"

2023 [†]Gross, J., Blomquist, C., & **Cychosz, M.** "Speech and Language Outcomes for Children in Auditory-Verbal Therapy Programs: A

Review of Current Research and Future Directions."

2022   †Gross, J., Blomquist, C., & **Cychosz, M.** "Does using Total Communication (often a combination of spoken and signed language) with a child impact children's spoken articulatory development?"

Teaching Experience

UCLA: Courses

Winter 2025   **Experimental Phonetics/Speech Technology**   (Undergraduate)
Fall 2024   **Speech Production** (Graduate)
Winter 2024   **Introduction to General Phonetics** (Undergraduate)
Fall 2023   **Speech Development** (Graduate)

University of Maryland, College Park: Tutorials & Workshops

Winter 2023   **Digital signal processing for the speech, language, and hearing sciences: A three-day, hands-on tutorial series using Python,**
Primary Instructor
I. Introductions
II. Synthesizing signals
III. Fourier transforms
Winter 2023   **Research statements for the academic job market,**
Workshop leader
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
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

2024   UCLA Department of Electrical Engineering: Speech production.
"Infant speech development"

2024   UCLA Department of Linguistics: Graduate proseminar.
"Research statements for the academic job market"

2022-2023   University of Maryland Department of Hearing & Speech Sciences:
The Research Behind Headlines on Words, Thought, and Behavior.
"The Word Gap" x3

Advising/Mentoring

Graduate
MA thesis (committee member): John McGahay

Undergraduate (students who completed a thesis with me)

Madurya Suresh (2024) Computer Science+Linguistics, *now a graduate student in computer science at UCSD*
Theo Zhang (est. 2025) Computer Science
Arjun Pawar (est. 2025) Linguistics+Mathematics
Carissa Ott (est. 2025) Cognitive Science

Undergraduate (research assistantships)

2015-2020   **UC Berkeley**
Adela Arriola, Hitomi Torng, Karina Fong-Hirschfelder, Sierra Adachi, Rachel Elia, Kiran Girish, Sonnet Phelps, Benjamin Papadopoulos, Sofea Dil

2018-2023   **University of Maryland**
Julianna Gross, Claire Bowler, Sydney Condron, Catherine Valentino, JR Tsao, Ruth Park, Aeshah Tawfik, Ria Garg, Farheen Ahmed, Kavya Ganesan, Kaliyah Gowing, Michele Liquori, Becca Higgins

2023-present   **UCLA**
Adeline Villareal, Allison Ruilli, Amanda Faber, Arjun Pawar, Carissa Ott, Daisy Ye, Elizabeth Garcia, Emma Montilla, Issa Aboudi, Kat Castro, Kriti Beswal, Madurya Suresh, Monique Tunnell, Noel Guzman, Paden Frye, Roxy Borg, Theo Zhang

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 (6-8/year): *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, Infancy, Journal of the Acoustical Society of America-Express Letters, Journal of Child Language, Journal of Phonetics, Journal of Speech, Language and Hearing Research, Language, Cognition, & Neuroscience, Linguistics Vanguard, Open Mind, Scientific Reports, Trends in Hearing*

Conference Reviewing (abstracts): Linguistic Society of America Annual Meeting, Many Paths to Language Acquisition, Berkeley Linguistics Society

Conference Reviewing (papers): Cognitive Science Society, International Congress of Phonetic Sciences

Adhoc Grant Reviewing: UK Medical Research Council, National Science Foundation, Research Grants Council of Hong Kong

Organizing

| 2024 | **Organizer**: UCLA Department of Linguistics minicourse on "Multi-modal data collection," presented by Mark Tiede |

| 2023 | **Co-organizer** with Kasia Hitczenko, Amanda Seidl, Marisa Casillas, & Alex Cristia: Symposium on "Novel approaches to studying vocal development" at the 20th International Congress of Phonetic Sciences |

| 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

2017-2022	**Board member and pre-PI group organizer**, DARCLE (Daylong Audio Recordings of Children's Linguistic Environments)

Committees/Other

2023-present	**Chair**, UCLA Dept. of Linguistics Website Committee
2023-present	**Member**, UCLA Dept. of Linguistics Research Evaluation Committee
2023-present	**Member**, UCLA Dept. of Linguistics Teaching Evaluation Committee
2022-present	**Mentor,** Linguistic Society of America Mentorship Program
2022-2023	**Member**, Linguistic Society of America's Future of Annual Meetings Task Force
2017-present	**Member**, DARCLE (Daylong Audio Recordings of Children's Linguistic Environments)
2022	**Member**, Search committee for Acoustical Society Speech Communication Technical Committee Chair
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, shell scripting, Praat (analysis, scripting), Git, OpenSesame, LaTeX, Audacity, CLAN, Fieldwork tools (ELAN, FLEx)
Hardware	Eyetracking (EyeLink 1000), Ultrasound (Edgetrak), Functional near-infrared spectroscopy (fNIRS; NIRx), Wearable technologies (LENA, etc.)

Languages

Native	**English**
Advanced	**Spanish, French**

Conversational Reading Research	**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
American Speech-Language-Hearing Association
Phi Beta Kappa