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## Professional experience

June 2020-  
present

### **NIH-National Institute on Deafness and Other Communication Disorders Postdoctoral Researcher (NIDCD)**

Center for Comparative & Evolutionary Biology of Hearing Trainee  
University of Maryland

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## 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

2012

**B.A., English, B.A., French, B.A., Spanish**, Butler University  
*Phi Beta Kappa*

## Additional training

2020

**Certificate of Teaching and Learning in Higher Education**  
University of California, Berkeley

2018-2019

**Learning to Talk Lab, Hearing and Speech Sciences Department**  
University of Maryland

Spring 2017

**Department of Linguistics**  
Stanford University

Spring 2011

**Study Abroad**  
Université Paul Valéry III, Montpellier, France

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## Support

To be funded

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-Principal Investigators). Projected award period: 06/01/2021-05/31/2023. Total cost: \$137,999.

2020-present

NIH-NIDCD T32 DC000046 "Training grant on comparative and evolutionary biology of hearing." **Cychosz, M.** (Postdoctoral trainee). 06/01/2020-05/31/2021.

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## Publications

### Refereed journals

- Under revision **Cychosz, M.**, Villanueva, A., & Weisleder, A. Efficient estimation of children's language exposure in two bilingual communities. [[pre-print](#)]
- Under revision **Cychosz, M.** Word structure in early Quechua speech. [[pre-print](#)]
- Under revision **Cychosz, M.**, Cristia, A., Bergelson, E., Casillas, M., Baudet, G., Warlaumont, A. S., Scaff, C., Yankowitz, L., & Seidl, A. Canonical babble development in a large-scale, crosslinguistic corpus. [[pre-print](#)]
- Accepted **Cychosz, M.**, Munson, B., & Edwards, J. Practice and experience predict coarticulation in child speech. *Language Learning and Development*. [[pre-print](#)]
- 2020 **Cychosz, M.**, Erskine, M., Munson, B., & Edwards, J. A lexical advantage in four-year-old children's word repetition. *Journal of Child Language*. 1-24.
- 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*. 1-19.
- 2019 **Cychosz, M.**, Edwards, J., Munson, B., & Johnson, K. (2019). 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.

### Fully peer-reviewed conference proceedings

- 2019 **Cychosz, M.** Holistic lexical storage: Coarticulatory evidence from child speech. In *Proceedings of the 19<sup>th</sup> 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 19<sup>th</sup> 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 42<sup>nd</sup> 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

- 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**

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## **Presentations**

### **Invited Talks**

October 2020 **Cychosz, M.** Environmental influences on children's phonetic development. UCLA Phonetics Seminar. Los Angeles, CA.

May 2020 **Cychosz, M.** Reconsidering variability in child speech production. 179<sup>th</sup> Meeting of the Acoustical Society of America. Chicago, IL. [Meeting cancelled due to COVID-19]

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.**, Munson, B., & Edwards, J. Children talking also matters: Language practice and experience predict speech production patterns. Talk to be given at the *15<sup>th</sup> Congress of the International Association for the Study of Child Language*.
- 2021 Villanueva, A., **Cychosz, M.**, & Weisleder, A. Dual Language Input from Adults and Older Children in Two Communities. Poster to be 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 to be given at the *2021 Society for Research in Child Development Biennial Meeting*.
- 2021 **Cychosz, M.** Language exposure predicts bilingual children's speech patterns. Talk to be given at the *95<sup>th</sup> 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 to be given at the *95<sup>th</sup> 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 *179<sup>th</sup> Meeting of the Acoustical Society of America*.
- 2020 **Cychosz, M.** Language exposure predicts bilingual children's speech patterns. Talk given at the *45<sup>th</sup> 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 94<sup>th</sup> Annual Meeting of the Linguistic Society of America, New Orleans, LA.
- 2020 **Cychosz, M.**, & Tracy, E. Response time judgments indicate linguistic bias to bilingual speech. Presented at the 94<sup>th</sup> Annual Meeting of the Linguistic Society of America, New Orleans, LA.
- 2019 **Cychosz, M.**, & Johnson, K. Novel acoustic measures of coarticulation reveal morphological planning in child speech. Presented at the 178<sup>th</sup> 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 19<sup>th</sup> International Congress of Phonetic Sciences, Melbourne, Australia.
- 2019 Lin, S.\*, **Cychosz, M.\***, Shen, A., & Cibelli, E. The effects of phonetic training and visual feedback on novel contrast production. Presented at the 19<sup>th</sup> International Congress of Phonetic Sciences, Melbourne, Australia.
- 2019 **Cychosz, M.**, Munson, B., & Edwards, J. Familiarity and practice predict autonomy in children's speech gestures. Presented at the *Workshop on Modeling the Development of Speech Planning in Production*. Macquarie University, Sydney Australia.
- 2019 **Cychosz, M.** Coarticulation varies by consonant identity in adult and child speech. Presented at the 177<sup>th</sup> Meeting of the Acoustical Society of America, Louisville, Kentucky.
- 2018 **Cychosz, M.**, & Tracy, E. Bilingual speech associations in phonetic representation. Presented at the 176<sup>th</sup> Meeting of the Acoustical Society of America, Victoria, BC, Canada.
- 2018 **Cychosz, M.**, Erskine, M., & Edwards, J. The lexical advantage: Four year old children learn words, not sounds. Presented at the 43<sup>rd</sup> Annual Boston University Conference on Language Development, Boston, MA.
- 2018 **Cychosz, M.** Functional load and frequency as predictors of consonant emergence across five languages. Presented at the 40<sup>th</sup> 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 *42<sup>nd</sup> 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 *4<sup>th</sup> 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 *91<sup>st</sup> 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 *41<sup>st</sup> 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.

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## Teaching Experience

UC Berkeley



Spring 2020	<b>Linguistics: Phonological Development</b> , Primary Instructor
Fall 2019	<b>Linguistics: Phonetics</b> , Graduate student instructor Primary instructor: Susan Lin
Spring 2019	<b>Psychology: Language Development</b> , Graduate student instructor Primary Instructor: Mahesh Srinivasan
Summer 2018	<b>Linguistics/Psychology: Language Development</b> , Primary Instructor
Fall 2017	<b>Linguistics: Historical Linguistics</b> , Graduate student instructor Primary Instructor: Andrew Garrett

### Indiana University

Spring 2014	<b>Spanish 200</b> , primary instructor
Fall 2013 Spring 2013 Fall 2012	<b>Spanish 105</b> , primary instructor

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## 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

2020-present	Kavya Ganesan, Kaliyah Gowing
2018-present	Michele Liquori
2018-2019	Becca Higgins

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## Other Professional Experience

Summer 2016	<b>Visiting Research Assistant</b> , Institute for Creative Technologies University of Southern California
2014-2015	<b>English Language Teaching Assistant</b> , Lycée Darius Milhaud Le Kremlin Bicêtre, France

Summer 2012

**Machine Translation Intern**, Reverso-Softissimo  
Paris, France

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## Academic Service

**Manuscript Reviewing:** *Journal of Child Language, Developmental Science, Ear and Hearing*

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

**Adhoc Grant Reviewing:** UK Medical Research Council

### Other

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|--------------|---|
| 2020         | <b>Co-organizer</b> Berkeley Linguistics Society Workshop (BLS 2020): Phonological Representations.                                     |
| 2019         | <b>Co-organizer</b> 10 <sup>th</sup> Annual Computational Paralinguistics Challenge (ComParE): Interspeech 2019                         |
| 2017-present | <b>Pre-PI Representative and pre-PI group organizer</b> , DARCLE Board (Daylong Audio Recordings of Children's Linguistic Environments) |
| 2017         | <b>Organizer</b> , Berkeley Women in Linguistics Working Group  |
| 2017         | <b>Conference Organizer</b> , Berkeley Linguistics Society (BLS42)  |
| 2017         | <b>Conference Organizer</b> , Institute for European Studies Conference   |
| 2016-2017    | <b>Organizer</b> , Berkeley Phonetics & Phonology Phorum  |
| 2015-2017    | <b>Alternate Representative</b> , Graduate Student Assembly, UC Berkeley  |

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## Skills

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| Software | Python, R, SQL, shell scripting, Praat (analysis, scripting), OpenSesame, LaTeX, Audacity, CLAN, Fieldwork tools (ELAN, FLEx) |
| Hardware | Ultrasound (Edgetrak), Language ENvironment Analysis (LENA)   |

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## 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)

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## Professional Affiliations

**Acoustical Society of America**  
**Linguistic Society of America**  
**International Congress of Infant Studies**  
**International Phonetic Association**  
**Phi Beta Kappa**

