Anne S. Warlaumont

Curriculum Vitae
Email: warlaumont@ucla.edu
Web: www.annewarlaumont.org

EDUCATION

2012   Ph.D. in Communication Sciences and Disorders, University of Memphis.

2012   Graduate Certificate in Cognitive Science, University of Memphis.

2006   B.A., Magna Cum Laude, in Psychology with Cognitive Science Concentration, Cornell University.

ACADEMIC APPOINTMENTS

2017–present   Associate Professor, University of California, Los Angeles, Department of Communication. Vice Chair of the department from July 2022 to present. (Also affiliated with the UCLA Center for Behavior, Evolution, and Culture.)

2013–2017   Affiliated Faculty, University of California, Merced, Psychological Sciences.

2012–2017   Assistant Professor, University of California, Merced, Cognitive and Information Sciences.

2011–2012   Acting Assistant Professor, The University of California, Merced, Cognitive and Information Sciences.

RESEARCH ASSISTANTSHIPS AND INTERNSHIPS

Graduate Student Researcher, University of Memphis, School of Communication Sciences and Disorders, Infant Vocalization and Phonetics Labs, Jan. 2007–Jun. 2012.

Department of Energy Computational Science Graduate Fellowship Practicum, Argonne National Lab, Mathematics and Computer Science Division, Futures Lab, in collaboration with The University of Chicago, Pediatric Epilepsy. Summer 2009.

Graduate Student Researcher, University of Texas at Austin, Cognitive Psychology, Love Lab. Fall 2006.

Research Assistant, Cornell University, Cognitive Psychology, Edelman Lab. 2004–2006.

Research Assistant, New York University, Phelps Cognitive Neuroscience Lab. Spring 2003.

IBM Research Student Co-op, T. J. Watson Central Scientific Services Lab. Summer 2002.

FUNDING

Play and Learning Across a Year (NYU sIRB) Coding. NIH-NICHD National Institute of Child Health and Human Development. Subaward from New York University. (PI on Language Coding subaward at UCLA; PIs of the main grant are Karen E. Adolph, Catherine Tamis-LeMonda, and Rick Gilmore.) $8,867. 2019–present.

Understanding the Emergence of Speech Vocalizations in Human Infancy. James S. McDonnell Foundation Scholar Award in Understanding Human Cognition, $600,000. 2017–present.

Collaborative Research: Enabling Access to and Analysis of Shared Daylong Child and Family Audio Data. (PI at lead institution; PIs at other institutions: Mark VanDam and Brian MacWhinney). National Science Foundation, formerly SMA-1539129 now SMA-1827744, $447,225 (total across all three institutions: $985,439). 2015–present.

CompCog: Infant Vocalization as Foraging for Caregiver Responses. (PI; Co-PIs: Ajay Gopinathan and Chris Kello). National Science Foundation, BCS-1529127, $385,000. 2015–2017.

CC* Networking Infrastructure: Building a Science DMZ Network for University of California Merced. (Senior Personnel; PI: Suzanne Sindi; Co-PIs: Michael Spivey, Thomas DeFanti, Ashlie Martini, and Nicola Lercari). National Science Foundation, ACI-1659210, $422,460. 2017.

MRI: Acquisition of a Multi-Environment Research Computer for Exploration and Discovery (MERCED) Cluster. (Senior Personnel; PI: Hrant Hratchian; Co-PIs: Suzanne Sindi and Jian-Qiao Sun). National Science Foundation, ACI-1429783, $515,842. 2014–2017.

University of California, Merced Faculty Research Grant, "Is the relation of infant walking and language development mediated by the language environment?" to Eric A. Walle and Anne S. Warlaumont, $9,335. 2012–2013.

Department of Energy Computational Science Graduate Fellowship (DOE CSGF), full stipend, tuition, and annual academic allowance, 2008–2012.

The University of Memphis Institute for Intelligent Systems (IIS) Student Conference Travel Awards, 2010–2013.

The University of Texas at Austin Preemptive Fellowship, 2006.

IBM T. J. Watson Memorial Scholarship, 2001–2005.

Cornell University School of Engineering McMullen Dean's Scholarship, 2001–2002.

OTHER AWARDS AND HONORS

Society for the Improvement of Psychological Science (SIPS) Commendation for development and contributions to HomeBank, 2020.

Distinguished UC Merced Woman and Faculty member, Office of Student Life Women's Programs, 2014 and 2015.

Paper of Excellence award, International Conference on Development and Learning and Epigenetic Robotics, 2012.

National Science Foundation Graduate Research Fellowship Program (NSF GRFP) Honorable Mention, 2008.

The University of Memphis 4th Annual Computer Science Research Day 1st Place Poster Award, 2008.

National Merit Finalist, 2001.

JOURNAL ARTICLES

Warlaumont, A. S., Sobowale, K., & Fausey, C. M. (2021). Daylong mobile audio recordings reveal multitimescale dynamics in infants' vocal productions and auditory experiences. *Current Directions in Psychological Science*, *31*(1), 12–19. doi: 10.1177/09637214211058166

Soderstrom, M., Casillas, M., Bergelson, E., Rosenberg, C., Alam, F., Warlaumont, A. S., Bunce, J. (2021). Developing a cross-cultural annotation system and metacorpus for studying infants' real world language experience. *Collabra: Psychology*, *7*(1), 23445. doi: 10.1525/collabra.23445

Cychosz, M., Cristia, A., Bergelson, E., Casillas, M., Baudet, G., Warlaumont, A. S., Scaff, C., Yankowitz, L., & Seidl, A. (2021). Vocal development in a large-scale crosslinguistic corpus. *Developmental Science*, *24*(5), e13090. doi: 10.1111/desc.13090

Lopez, L. D., Walle, E. A., Pretzer, G. M., & Warlaumont, A. S. (2020). Adult responses to infant prelinguistic vocalizations are associated with infant vocabulary: A home observation study. *PLoS ONE*, *15*(11), e0242232. doi: 10.1371/journal.pone.0242232

Ritwika, V. P. S., Pretzer, G. M., Mendoza, S., Shedd, C., Kello, C. T., Gopinathan, A., & Warlaumont, A. S. (2020). Exploratory dynamics of vocal foraging during infant-caregiver communication. *Scientific Reports*, *10*, 10469. doi: 10.1038/s41598-020-66778-0

Ramsdell-Hudock, H. L., Warlaumont, A. S., Foss, L. E., & Perry, C. (2019). Classification of infant vocalizations by untrained listeners. *Journal of Speech, Language, and Hearing Research*, *62*, 3265–3275. doi: 10.1044/2019_JSLHR-S-18-0494

Pretzer, G. M., Lopez, L. D., Walle, E. A., & Warlaumont, A. S. (2019). Infant-adult vocal interaction dynamics depend on infant vocal type, child-directedness of adult speech, and timeframe. *Infant Behavior and Development*, *57*, 101325. doi: 10.1016/j.infbeh.2019.04.007

Oller, D. K., Griebel, U., Nathani Iyer, S., Jhang, Y., Warlaumont, A. S., Dale, R., & Call, J. (2019). Language origins viewed in spontaneous and interactive vocal rates of human and bonobo infants. *Frontiers in Psychology*, *10*, 729. doi: 10.3389/fpsyg.2019.00729

Bergelson, E., Casillas, M., Soderstrom, M., Seidl, A., Warlaumont, A. S., & Amatuni, A. (2019). What do North American babies hear? A large-scale cross-corpus analysis. *Developmental Science*, *22*(1), e12724. doi: 10.1111/desc.12724

Harbison, A. L., Woynaroski, T. G., Tapp, J., Wade, J. W., Warlaumont, A. S., & Yoder, P. J. (2018). A new measure of child vocal reciprocity in children with autism spectrum disorder. *Autism Research*, *11*(6), 903–915. doi: 10.1002/aur.1942

Abney, D. H., Warlaumont, A. S., Oller, D. K., Wallot, S., & Kello, C. T. (2017). Multiple coordination patterns in infant and adult vocalizations. *Infancy*, *22*(4), 514–539. doi: 10.1111/infa.12165

VanDam, M., Warlaumont, A. S., Bergelson, E., Cristia, A., Soderstrom, M., De Palma, P., & MacWhinney, B. (2016). HomeBank, an online repository of daylong child-centered audio recordings. *Seminars in Speech and Language*, *37*(2),128–142. doi: 10.1055/s-0036-1580745

Oller, D. K., Griebel, U., & Warlaumont, A. S. (2016). Vocal development as a guide to modeling the evolution of language. *Topics in Cognitive Science*, *8*(2), 382–392. doi: 10.1111/tops.12198

Ross, J. M., Warlaumont, A. S., Abney, D. H., Rigoli, L. M., & Balasubramaniam, R. (2016). Influence of musical groove on postural sway. *Journal of Experimental Psychology: Human Perception and Performance*, *42*(3), 308–319. doi: 10.1037/xhp0000198

Warlaumont, A. S., & Finnegan, M. K. (2016). Learning to produce syllabic speech sounds via reward-modulated neural plasticity. *PLoS ONE*, *11*(1), e0145096k. doi: 10.1371/journal.pone.0145096

Warlaumont, A. S. (2015). Modeling the emergence of syllabic structure. *Journal of Phonetics*, *53*, 61–65. doi: 10.1016/j.wocn.2015.06.004

Abney, D. H., Kello, C. T., & Warlaumont, A. S. (2015). Production and convergence of multiscale clustering of speech. *Ecological Psychology*, *27*(3), 222–235. doi: 10.1080/10407413.2015.1068653

Warlaumont, A. S., & Olney, A. M. (2015). Evolution of reflexive signals using a realistic vocal tract model. *Adaptive Behavior*, *23*(4), 183–205. doi: 10.1177/1059712315585941

Warlaumont, A. S., Richards, J. A., Gilkerson, J., & Oller, D. K. (2014). A social feedback loop for speech development and its reduction in autism. *Psychological Science*, *25*(7), 1314–1324. doi: 10.1177/0956797614531023

Abney, D. H., Warlaumont, A. S., Haussman, A., Ross, J., & Wallot, S. (2014). Using nonlinear methods to quantify changes in infant limb movements and vocalizations. *Frontiers in Psychology*, *5*, 771. doi: 10.3389/fpsyg.2014.00771

Franklin, B., Warlaumont, A. S., Messinger, D. S., Bene, E., Iyer, S. N., Lee, C.-C., Lambert, B., & Oller, D. K. (2014). Effects of parental interaction on infant vocalization rate, variability and vocal type. *Language Learning and Development*, *10*(3), 279–296. doi: 10.1080/15475441.2013.849176

Oller, D. K., Buder, E. H., Ramsdell, H. L., Warlaumont, A. S., Chorna, L., & Bakeman, R. (2013). Functional flexibility of infant vocalization and the emergence of language. *Proceedings of the National Academy of Sciences of the United States of America*, *110*(16), 6318–6323. doi: 10.1073/pnas.1300337110

Warlaumont, A. S., Westermann, G., Buder, E. H., & Oller, D. K. (2013). Prespeech motor learning in a neural network using reinforcement. *Neural Networks*, *38*, 64–75. doi: 10.1016/j.neunet.2012.11.012

Kello, C. T., Rodny, J., Warlaumont, A. S., & Noelle, D. C. (2012). Plasticity, learning, and complexity in spiking networks. *Critical Reviews in Biomedical Engineering*, *40*(6), 501–518. doi: 10.1615/CritRevBiomedEng.2013006724

Warlaumont, A. S., & Jarmulowicz, L. (2012). Caregivers' suffix frequencies and suffix acquisition by language impaired, late talking, and typically developing children. *Journal of Child Language*, *39*(5), 1017–1042. doi: 10.1017/S0305000911000390

Dale, R., Warlaumont, A. S., & Richardson, D. C. (2011). Nominal cross recurrence as a generalized lag sequential analysis for behavioral streams. *International Journal of Bifurcation and Chaos*, *21*(4), 1153–1161.

Warlaumont, A. S., Lee, H. C., Benayoun, M., Stevens, R. L., & Hereld, M. (2010). Systematic comparison of the behaviors produced by computational models of epileptic neocortex. *Journal of Clinical Neurophysiology*, *27*(6), 479–483. doi: 10.1097/WNP.0b013e3181fe074c

Warlaumont, A. S., Oller, D. K., Buder, E. H., Dale, R., & Kozma, R. (2010). Data-driven automated acoustic analysis of human infant vocalizations using neural network tools. *Journal of the Acoustical Society of America*, *127*(4), 2563–2577. doi: 10.1121/1.3327460

REFEREED CONFERENCE PAPERS

MacDonald, K. M., Räsänen, O., Casillas, M., & Warlaumont, A. S. (2020). Measuring prosodic predictability in children's home language environments. In S. Denison, M. Mack, Y. Xu, & B. C. Armstrong (Eds.), *Proceedings of the 42nd Annual Conference of the Cognitive Science Society* (pp. 695–701).

Al Futaisi, N., Zhang, Z., Cristia, A., Warlaumont, A., & Schuller, B. (2019). VCMNet: Weakly supervised learning for automatic infant vocalisation maturity analysis. In *Proceedings of ICMI '19: 2019 International Conference on Multimodal Interaction* (pp. 205–209). doi: 10.1145/3340555.3353751

Seidl, A., Warlaumont, A., & Cristia, A. (2019). Towards detection of canonical babbling by citizen scientists: Performance as a function of clip length. *INTERSPEECH 2019* (pp. 3579–3583). doi: 10.21437/Interspeech.2019-1773

Schuller, B., Batliner, A., Bergler, C., Pokorny, F., Krajewski, J., Cychosz, M., Vollman, R., Roelen, S.-D., Schnieder, S., Bergelson, E., Cristia, A., Seidl, A., Warlaumont, A., Yankowitz, L., Noeth, E., Amiriparian, S., Hantke, S., & Schmitt, M. (2019). The INTERSPEECH 2019 Computational Paralinguistics Challenge: Styrian Dialects, Continuous Sleepiness, Baby Sounds & Orca Activity. *INTERSPEECH 2019* (pp. 2378–2382). doi: 10.21437/Interspeech.2019-1122

Zhang, Z., Cristia, A., Warlaumont, A. S., & Schuller, B. (2018). Automated classification of children's linguistic versus non-linguistic vocalisations. In *INTERSPEECH 2018* (pp. 2588–2592). doi: 10.21437/Interspeech.2018-2523

Casillas, M., Amatuni, A., Seidl, A., Soderstrom, M., Warlaumont, A., & Bergelson, E. (2017). What do babies hear? Analyses of child- and adult-directed speech. In *INTERSPEECH 2017* (pp. 2093–2097). doi: 10.21437/Interspeech.2017-1409

Casillas, M., Bergelson, E., Warlaumont, A. S., Cristia, A., Soderstrom, M., VanDam, M., & Sloetjes, H. (2017). A new workflow for semi-automatized annotations: Tests with long-form naturalistic recordings of childrens language environments. In *INTERSPEECH 2017* (pp. 2098–2102). doi: 10.21437/Interspeech.2017-1418

Schüller, B., Steidl, S., Batliner, A., Bergelson, E., Krajewski, J., Janott, C., Amatuni, A., Casillas, M., Seidl, A., Soderstrom, M., Warlaumont, A. S., Hidalgo, G., Schnieder, S., Heiser, C., Hohenhorst, W., Herzog, M., Schmitt, M., Qian, K., Zhang, Y., Trigeorgis, G., Tzirakis, P., & Zafeiriou, S. (2017). The INTERSPEECH 2017 computational paralinguistics challenge: Addressee, cold, & snoring. In *INTERSPEECH 2017* (pp. 3442–3446). doi: 10.21437/Interspeech.2017-43

Warlaumont, A. S., & Ramsdell-Hudock, H. L. (2016). Detection of total syllables and canonical syllables in infant vocalizations. In *INTERSPEECH 2016* (pp. 2676–2680). doi: 10.21437/Interspeech.2016-1518

Metze, F., Riebling, E., Warlaumont, A. S., & Bergelson, E. (2016). Virtual machines and containers as a platform for experimentation. *INTERSPEECH 2016* (pp. 1603–1607). doi: 10.21437/Interspeech.2016-997

Yeh, F., Warlaumont, A. S., Chen, Y., Shea, T. M., & Stark, B. (2015). A neurorobotic model of learning to shake a rattle. *2015 IEEE International Conference on Development and Learning and Epigenetic Robotics (ICDL-EpiRob)*.

Walle, E. A., & Warlaumont, A. S. (2015). Infant locomotion, the language environment, and language development: A home observation study. In D. C. Noelle, R. Dale, A. S. Warlaumont, J. Yoshimi, T. Matlock, C. D. Jennings, & P. P. Maglio (Eds.), *Proceedings of the 37th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

Shea, T. M., Warlaumont, A. S., Kello, C. T., & Noelle, D. C. (2015). Neuronal dynamics and spatial foraging. In D. C. Noelle, R. Dale, A. S. Warlaumont, J. Yoshimi, T. Matlock, C. D. Jennings, & P. P. Maglio (Eds.), *Proceedings of the 37th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

Warlaumont, A. S. (2014). An iterative probabilistic model of speech-related vocalization rate growth due to child-caregiver interaction. *Proceedings of the 2014 IEEE Fourth Joint International Conference on Development and Learning and Epigenetic Robotics.*

Warlaumont, A. S. (2013). Salience-based reinforcement of a spiking neural network leads to increased syllable production. *Proceedings of the 2013 IEEE International Conference on Development and Learning (ICDL)*. doi: 10.1109/DevLrn.2013.6652547

Warlaumont, A. S. (2012). A spiking neural network model of canonical babbling development. *Proceedings of the 2012 IEEE International Conference on Development and Learning (ICDL)*. doi: 10.1109/DevLrn.2012.6400842

Warlaumont, A. S., Westermann, G., & Oller, D. K. (April, 2011). Self-production facilitates and adult input interferes in a neural network model of infant vowel imitation. In D. Kazakov and G. Tsoulas (Eds.), Proceedings of the *AISB 2011 Symposium on Computational Models of Cognitive Development*. Society for the Study of Artificial Intelligence and the Simulation of Behaviour, 8–12.

Warlaumont, A. S., Oller, D. K., Dale, R., Richards, J. A., Gilkerson, J., & Xu, D. (August, 2010). Vocal interaction dynamics of children with and without autism. In S. Ohlsson & R. Catrambone (Eds.), *Proceedings of the 32nd Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society, 121–126.

Buder, E. H., Warlaumont, A. S., Oller, D. K., & Chorna, L. B. (May, 2010). Dynamic indicators of mother-infant prosodic and illocutionary coordination. In *Speech Prosody 2010*, paper 433.

BOOK CHAPTERS

Warlaumont, A. S. (2020). Infant vocal learning and speech production. In J. J. Lockman & C. S. Tamis-LeMonda (Eds.), *Cambridge handbook of infant development: Brain, behavior, and cultural Context* (pp. 602–631). Cambridge University Press.

Messinger, D., Duvivier, L. L., Warren, Z., Mahoor, M., Baker, J., Warlaumont, A., & Ruvolo, P. (2014). Affective computing, emotional development, and autism. In R. A. Calvo, S. K. D'Mello, J. Gratch, & A. Kappas (Eds.), *Handbook of affective computing*. Oxford University Press.

Warlaumont, A. S. (2014). Reinforcement-modulated self-organization in infant motor speech learning. In J. Mayor & P. Gomez (Eds.), *Computational models of cognitive processes: Proceedings of the 13th Neural Computation and Psychology Workshop*. Singapore: World Scientific.

Buder, E. H., Warlaumont, A. S., & Oller, D. K. (2013). An acoustic phonetic catalog of prespeech vocalizations from a developmental perspective. In B. Peter & A. N. MacLeod (Eds.), *Comprehensive perspectives on child speech development and disorders: Pathways from linguistic theory to clinical practice*. Nova Science Publishers.

COMMENTARIES AND REPLIES

Warlaumont, A. S., Richards, J. A., Gilkerson, J., Messinger, D. S., & Oller, D. K. (2016). The social feedback hypothesis and communicative development in autism spectrum disorder: A response to Akhtar, Jaswal, Dinishak, and Stephan (2016). *Psychological Science*, *27*(11), 1531–1533. doi: 10.1177/0956797616668558

Dale, R., Warlaumont, A. S., & Spivey, M. J. (2016). Synthesis on the horizon: Gene-environment interactions and cognition. *IEEE CIS AMD Newsletter*, *13*, 16–18.

Warlaumont, A. S., & Dale, R. (2007). The missing chapter: The interaction between behavioral and symbolic inheritance. *Behavioral and Brain Sciences*, *30*, 377–378.

OTHER PAPERS

Pagliarini, S., Schneider, S., Kello, C. T., & Warlaumont, A. S. (2022). Low-dimensional representation of infant and adult vocalization acoustics. *arXiv*. doi: 10.48550/arXiv.2204.12279

EDITED CONFERENCE PROCEEDINGS

Noelle, D. C., Dale, R., Warlaumont, A. S., Yoshimi, J., Matlock, T., Jennings, C. D., & Maglio, P. P. (Eds.) (2015). *Proceedings of the 37th Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

DATASETS

Bergelson, E., Warlaumont, A., Cristia, A., Casillas, M., Rosemberg, C., Soderstrom, M., Metze, F., Dupoux, E., Rasanen, O., Rowland, C., & Durrant, S. (2017). Starter-ACLEW. *Databrary*. doi: 10.17910/B7.390

Warlaumont, A. S., Pretzer, G. M., Mendoza, S., & Walle, E. (2016). Warlaumont HomeBank Corpus. doi: 10.21415/T54S3C

SOFTWARE

Various resources available at:
babyvoc.org
github.com/AnneSWarlaumont

MANUALS

VanDam, M., Warlaumont, A. S., MacWhinney, B., Soderstrom, M., & Bergelson, E. (2017). Preparation of recordings for unrestricted publication in HomeBank. doi: 10.21415/T56H4M

OTHER CONFERENCE PRESENTATIONS

Pagliarini, S., & Warlaumont, A. S. (2022, July). Using dimensionality reduction to quantify diversity of infant vocalization types and similarity to adult productions. Oral presentation at the *23rd meeting of the International Congress on Infant Studies (ICIS)*. Ottawa, ON.

Neer, E. M., Brahmbhatt, A., & Warlaumont, A. S. (2022, July). Pragmatic contexts and acoustic characteristics of infant-directed and adult-directed adult speech in daylong audio recordings. Poster presented at the *23rd meeting of the International Congress on Infant Studies (ICIS)*. Ottawa, ON.

Warlaumont, A. S., Ritwika, V. P. S., Pretzer, G. M., Mendoza, S., Shedd, C., Kello, C. T., & Gopinathan, A. (2020, October). Exploratory dynamics of vocal foraging during infant-caregiver communication. Journal Track presentation at the *IEEE International Conference on Development and Learning and Epigenetic Robotics (ICDL-EpiRob)*. Virtual meeting.

Cychosz, M., Cristia, A., Bergelson, E., Casillas, M., Baudet, G., Warlaumont, A. S., Scaff, C., Yankowitz, L, & Seidl, A. (2020, July). The development of canonical babble in a crosslinguistic and cross-cultural corpus. In the 2020 Virtual International Congress of Infant Studies (vICIS).

Bunce, J., Bergelson, E., Warlaumont, A., & Casillas, M. (2019, July). Daylong data: Raw audio to transcript via automated & manual open-science tools. In A. K. Goel, C. M. Seifert, & C. Freksa (Eds.), *Proceedings of the 41st Annual Conference of the Cognitive Science Society* (pp. 15–16). Montreal, QB: Cognitive Science Society.

Bunce. J. P., Casillas, M., Bergelson, E., Kirby, J., Rosemberg, C., Stein, A., Warlaumont, A. S., & Soderstrom, M. (2019, April). A cross-cultural examination of child-directed speech across development. In the 2019 Biennial Meeting of the Society for Research in Child Development (*SRCD)*. Baltimore, MD.

Soderstrom, M., Casillas, M., Bergelson, E., Kirby, J., Rosemberg, C., Stein, A., Warlaumont, A., & Bunce, J. (2019, March). Quantifying child directed speech cross-culturally across development. *The Journal of the Acoustical Society of America*, *145*(3), 1763. doi: 10.1121/1.5101455

VanDam, M., De Palma, P., Soderstrom, M., Casillas, M., Cristia, A., Bergelson, E., Warlaumont, A., Olds, D., & MacWhinney, B. (2019, March). Daylong audio recordings of family and child speech using the HomeBank database. *The Journal of the Acoustical Society of America*, *145*(3), 1729. doi: 10.1121/1.5101352

Lopez., L., Walle, E. A., Pretzer, G., & Warlaumont, A. (2018, July). Adult responses to infant prelinguistic vocalizations are associated with infant vocabulary: A home observation study. In "The dyadic nature of learning: Contingent parent responses influence infant attention and language", symposium organized by E. Walle & L. Lopez. *International Congress of Infant Studies*, Philadelphia, PA.

Walle, E. A., Lopez, L., Pretzer, G., & Warlaumont, A. (2018, July). Crawling and walking infants' home language environments: Relations with concurrent vocabulary and size. In "Walk, talk, play: Changes across the transition from crawling to walking in infancy", symposium organized by E. Walle & L. Karasik. *International Congress of Infant Studies*, Philadelphia, PA.

Zhang, Z., Warlaumont, A., Schuller, B., Yetish, G., Scaff, C., Colleran, H., Stieglitz, J., & Cristia, A. (2018, June). Developing computational measures of vocal maturity development from daylong recordings. *Réseau Français de Phonologie*, Paris, France.

Warlaumont, A. S. (2017, November). Studying language development using daylong home audio recordings. In "Using Big Data to Discover Principles of Cognition", *Leading Edge Symposium* organized by G. Lupyan and R. Goldstone. *Psychonomics 2017*, Vancouver, BC, Canada.

Shea, T. M., Rodny, J., Warlaumont, A. S., & Noelle, D. C. (2017, November). Emergent oscillations in the subthalamic nucleus of simulated basal ganglia. *Neuroscience 2017*, Washington, DC.

Foss, L., Ramsdell-Hudock, H., Perry, C., & Warlaumont, A. (2017, November). Toward a gold standard for classification of infant vocalizations, part 2. *American Speech-Language-Hearing Association Convention*, Los Angeles, CA.

Casillas, M., Bergelson, E., Soderstrom, M., Seidl, A., & Warlaumont, A. (2017, November). Characterizing North American child-directed speech by age, gender, and SES. *Boston University Conference on Language Development (BUCLD 42)*, Boston, MA.

Warlaumont, A. S., VanDam, M., Bergelson, E., & Cristia, A. (2017, August). HomeBank: A repository for long-form real-world audio recordings of children. *INTERSPEECH 2017 Show and Tell*, Stockholm, Sweden.

Warlaumont, A. S. (2017, July). Studying language development using daylong home audio recordings. *Beyond the Lab Workshop*, Madison, WI.

Harbison, A. L., Yoder, P. J., & Warlaumont, A. S. (2017, May). Child reciprocal vocal contingency and concurrent language-related characteristics in young children with autism spectrum disorder. In J. Ninci (Chair), *Making the*

most of natural learning opportunities for children with autism spectrum disorder. Presentation at the annual convention of the Association for Behavior Analysis International, Denver, CO.

Walle, E., Lopez, L, Joha, J., Pretzer, G., & Warlaumont. A. (2017, April). Parent social engagement with crawling and walking infants: Relations with joint attention and language. Oral presentation at the 2017 SRCD Biennial Meeting, Austin, TX.

Lopez, L., Pretzer, G., Walle, E., & Warlaumont, A. (2017, April). Parent responding to infant canonical and noncanonical vocalizations: Relations with infant receptive and productive vocabulary. Poster presentation at the 2017 SRCD Biennial Meeting, Austin, TX.

Prince, E., Ciptadi, A., Rozga, A., Warlaumont, A., Rehg, J., & Messinger, D. (2017, April). Using objective measurements of movement and vocalization data to predict attachment behavior. Poster presentation at the 2017 SRCD Biennial Meeting, Austin, TX.

Pretzer, G., Abney, D., Warlaumont, A., & Walle, E. (2016, November). Parental responses & language ability in walking & crawling infants. Presented at the 2016 American Speech-Language-Hearing Association Convention, Philadelphia, PA. [Awarded an ASHA Student Research Travel Award for the highest-rated student-authored paper in the Language in Infants, Toddlers, and Preschoolers topic area.]

Pretzer, G., Warlaumont, A., & Walle, E. (2016, November). Human vs. Machine coding of contingencies within infant-adult interactions yields completely opposite results. Presented at the 2016 American Speech-Language-Hearing Association Convention, Philadelphia, PA.

Jhang, Y., Warlaumont, A., Dale, R., & Oller, D. K. (2016, November). Emergence of functional flexibility in infant vocalization of the first three months. Poster presented at the 2016 American Speech-Language-Hearing Association Convention, Philadelphia, PA.

Pretzer, G., Warlaumont, A., VanDam, M., MacWhinney, B., & Reding, C. (2016, November). HomeBank: A resource for sharing daylong audio recordings from children and families. Poster presented at the 2016 American Speech-Language-Hearing Association Convention, Philadelphia, PA.

Harbison, A., Yoder, P., & Warlaumont A. (2016, November). Vocal reciprocity & concurrent language-related characteristics in young children with Autism Spectrum Disorder. Presented at the 2016 American Speech-Language-Hearing Association Convention, Philadelphia, PA.

Warlaumont, A. S., & Pretzer, G. M. (2016, August). Do peer interactions influence infant communication development? Poster presented at the 28th Annual Conference of the Cognitive Science Society, Philadelphia, PA.

Warlaumont, A. S. (2016, August). Toward computational models of speech development based on data from daylong, ultra-naturalistic recordings. Presented in E. Bergelson, "Workshop on corpus collection, (semi)-automated analysis, and modeling of large-scale naturalistic language acquisition data," at the 28th Annual Conference of the Cognitive Science Society, Philadelphia, PA.

Shea, T. M., & Warlaumont, A. S. (2016, August). Modeling infant speech development with spiking neural networks. Poster presented at the 15th Neural Computation and Psychology Workshop, Philadelphia, PA.

Shea, T. M., Warlaumont, A. S., Kello, C. T., Noelle, D. C., Pretzer, G. M., & Walle, E. (2016, August). Deep autoencoding of naturalistic infant and parent vocalizations. Poster presented at the 15th Neural Computation and Psychology Workshop, Philadelphia, PA.

Warlaumont, A., & Ramsdell-Hudock, H. (2016, May). Automatic estimation of infant syllable production in naturalistic recordings. Presented at the 2016 International Conference on Infant Studies, New Orleans, LA.

Abney, D., Warlaumont, A. S., Oller, D. K., Wallot, S., & Kello, C. (2016, May). The multiscale clustering of infant vocalization bouts. Presented at the 2016 International Conference on Infant Studies, New Orleans, LA.

Pretzer, G., Warlaumont, A. S., & Walle, E. (2016, May). Bidirectional contingencies in infant-adult vocal interactions in daylong home recordings. Presented at the 2016 International Conference on Infant Studies, New Orleans, LA.

Warlaumont, A. S., Soderstrom, M., & Cristia, A. (2016, May). Introducing HomeBank: A TalkBank system for securely sharing largescale naturalistic child language recordings. Workshop organized prior to the main 2016 International Conference on Infant Studies, New Orleans, LA.

Prince, E., Warlaumont, A., Oller, D. K., Chow, S.-M., Rozga, A., Ciptadi, A., Rehg, J., & Messinger, D. (2016, May). Strange situation vocalizations differ between secure and insecure-resistant infants. Poster presented at the 2016 International Conference on Infant Studies, New Orleans, LA.

Warlaumont, A. S. (2016, April). Modeling the emergence of speech-like vocalizations. Invited presentation at the National Cognitive Science Conference, San Diego, CA.

Pretzer, G., Warlaumont, A., Walle, E., Alvarez, E., & Flores, P. (2015, November). Examining infant-caregiver interactions in LENA home recordings of one-year-old infants. Technical session presented at the 2015 American Speech-Language-Hearing Association Convention, Denver, CO.

Carlson, S., Ramsdell-Hudock, H., & Warlaumont, A. (2015, November). Autism & the social feedback loop between infants & caregivers: A case study. Technical session presented at the 2015 American Speech-Language-Hearing Association Convention, Denver, CO.

Lee, C.-C., Jhang, Y., Yoo, H., Warlaumont, A., Dale, R., & Oller, D. K. (2015, November). Parent & laboratory report on the emergence of infant reduplicated and variegated babbling. Poster presented at the 2015 American Speech-Language-Hearing Association Convention, Denver, CO.

Perry, C., Ramsdell-Hudock, H., & Warlaumont, A. (2015, November). Classification of infant vocalizations using untrained listener judgments. Poster presented at the 2015 American Speech-Language-Hearing Association Convention, Denver, CO.

Pretzer, G. M., Warlaumont, A. S., & Walle, E. A. (2015, August). Infant-caregiver vocal interactions in the wild. Poster presented in M. Goldstein & C. Yu, "Mechanisms of learning in social contexts," at the 2015 IEEE International Conference on Development and Learning and Epigenetic Robotics (ICDL-EpiRob).

Ross, J. M., Warlaumont, A. S., Rigoli, L., & Balasubramaniam, R. (2015, August). The influence of musical groove on balance control. Society for Music Perception and Cognition (SMPC). Nashville, TN.

Warlaumont, A. S. (2015, August). An optimist's approach to submitting grant proposals. Presented in L. Feldman & N. Tokowicz, "Merging professional development and science: Constructing a successful grant proposal," Women in Cognitive Science workshop at the 27th Annual Conference of the Cognitive Science Society, Pasadena, CA.

Pretzer, G. M., Warlaumont, A. S., & Walle, E. A. (2015, July). Phonetic abilities of walking and crawling infants. Poster presented at the 27th Annual Conference of the Cognitive Science Society, Pasadena, CA.

Ross, J. M., Warlaumont, A. S., Abney, D. H., Rigoli, L., & Balasubramaniam, R. (2015, July). Influence of musical groove on postural sway. Poster presented at the 27th Annual Conference of the Cognitive Science Society, Pasadena, CA.

Abney, D. H., Warlaumont, A. S., Oller, D. K., Wallot, S., & Kello, C. T. (2015, July). Complexity matching and multiscale clustering of vocalizations during naturalistic infant-caregiver interactions. 18th International Conference on Perception and Action, Minneapolis, MN and at the Society for Complex Systems in Cognitive Science Meeting, Pasadena, CA.

Walle, E. A., & Warlaumont, A. S. (2015, March). Differences in crawling and walking infants' language environments: A home observation study. Presented in Walle, E., "Infant motor and psychological development: New findings on a classic topic," at the 2015 Society for Research in Child Development (SRCD) Biennial Meeting. Pennsylvania, PA.

Jhang, Y., Lee, C.-C., Warlaumont, A. S., Dale, R., Relyea, G., Chen, L., & Oller, D. K. (2014, November). Emergence & development of functional flexibility in early infant vocalization based on diary reports from American & Taiwanese parents. Technical session presented at the 2014 American Speech-Language-Hearing Association Convention, Orlando, FL.

Lee, C.–C., Warlaumont, A. S., Dale, R., & Oller, D. K. (2014, November). Parent recognition of infant reduplicated & variegated babbling. Poster presented at the 2014 American Speech-Language-Hearing Association Convention, Orlando, FL.

Ross, J. M., Warlaumont, A. S., Rigoli, L. Balasubramaniam, R. (2014, November). Using auditory noise to reduce postural sway in standing adults. Poster presented at APCAM 2014: 13th Annual Auditory Perception, Cognition, and Action Meeting. Long Beach, CA.

Warlaumont, A. S. (2014, November). Simulating infant neuromotor vocal learning using reward. Invited presentation at Birdsong4: Rhythms and Clues from Neurons to Behavior, Georgetown University, Washington, DC.

Oller, D. K., Caskey, M., Vohr, B., Yoo, H., Bene, E., Jhang, Y., Franklin, B., Warlaumont, A. S., Dale, R., & Buder, E. H. (2014, November). Spontaneous vocalization in the very young human infant: from 2 months premature through 6 months. Invited presentation at Birdsong4: Rhythms and Clues from Neurons to Behavior, Georgetown University, Washington, DC.

Warlaumont, A. S., & Finnegan, M. K. (2014, September). Linking infant communication behavior to neurophysiology using computational modeling. Presented in a symposium organized by K. Ogawa & A. S. Warlaumont, "Novel psychophysiological approaches to investigating social communication," at the International Organization for Psychophysiology Congress, Hiroshima, Japan.

Oller, D. K., Griebel, U., Jhang, Y., Warlaumont, A. S., & Dale, R. (2014, August). The development of laughter and vocal precursors to speech. Presented in a symposium organized by G. A. Bryant & N. K. Dess, " Laughter and sociality—evolutionary, developmental, cognitive, and clinical perspectives," at the American Psychological Association Annual Convention, Washington, DC.

Warlaumont, A. S. (2014, July). Computational models of human vocal development and evolution. Presented in a symposium organized by D. K. Oller and U. Griebel, "EvoDevo as an approach to understanding communication," at Euro Evo Devo 2014, Vienna, Austria.

Warlaumont, A. S., Richards, J. A., Gilkerson, J., & Oller, D. K. (2014, July). A dynamic social feedback loop leading to increased child speech. Presented in a symposium organized by M. Soderstrom, "Dynamic effects in mother infant conversations: Disentangling the relative influence of mother and infant during early vocal interactions," at the 13th International Congress for the Study of Child Language (IASCL), Amsterdam, Netherlands.

Franklin, B., Warlaumont, A. S., & Oller, D. K. (2013, November). Infant volubility by random sampling from all-day recordings. Poster presented at the American Speech-Language-Hearing Association (ASHA) Convention, Chicago, IL.

Jhang, Y., Warlaumont, A. S., Dale, R., Ramsdell, H., Chen, L.-M., & Oller, D. K. (2013, November). Parent recognition of functional flexibility in early infant vocalization: Diary report from Taiwanese and American parents. Poster presented at the American Speech-Language-Hearing Association (ASHA) Convention, Chicago, IL.

Oller et al. (2013, November). Infant vocal development: The search for early identification of disorders. Seminar presented at the American Speech-Language Hearing Association (ASHA) Convention, Chicago, IL.

Warlaumont, A. S., Richards, J. A., Gilkerson, J., & Oller, D. K. (2013, November). The role of adult responses in speech-language development in autism: New evidence from LENA recordings. Technical session presented at the American Speech-Language-Hearing Association (ASHA) Convention, Chicago, IL.

Warlaumont, A. S. (2013, November). Simulating the development of canonical babbling. Poster presented at the American Speech-Language-Hearing Association (ASHA) Convention, Chicago, IL.

Warlaumont, A. S. & Hyatt, S. R. (2013, July). Robust social learning to babble in a spiking neural network model. Poster presented at the 35th Annual Conference of the Cognitive Science Society, Berlin, Germany.

Warlaumont, A. S. (2013, July). Invited presentation at the Women in Cognitive Science *Interactive panel discussion: Professional advancement through real and virtual international collaboration*, organized by L. B. Feldman, J. van Hell, J. Kroll, S. Rajaram, & N. Tokowicz, at the 35th Annual Conference of the Cognitive Science Society, Berlin, Germany.

Abney, D. H., Warlaumont, A. S., Oller, D. K., Wallot, S., & Kello, C. T. (2013, July). The multi-scale dynamics of infants' and caregivers' vocalizations. Presented at the Society for Complex Systems in Cognitive Science (SCSCS) 3rd Meeting, Berlin, Germany.

Warlaumont, A. S. (2013, July). Using a spiking neural network with reward-modulated STDP to learn to control speech muscles. Invited presentation at the Computational Neuroscience 2013 Advances in Activity-Dependent Synaptic Plasticity workshop, Paris, France.

Franklin, B., Warlaumont, A. S., Bene, E., Lee, C.-C., Lambert, B., Messinger, D., & Oller, D. K. (2012, November). Volubility of infant vocalization in interactive & non-interactive circumstances. Presented at the American Speech-Language-Hearing Association (ASHA) Convention, Atlanta, GA.

Jhang, Y., Warlaumont, A. S., Dale, R., Lee, C.-C., Bene, E., Rangisetty, N., & Oller, D. K. (2012, November). Recognition of infant vocalizations by parent report & naturalistic listening. Poster presented at the American Speech-Language-Hearing Association (ASHA) Convention, Atlanta, GA.

Warlaumont, A. S. (2012, August). Social feedback loops in vocal motor development. Invited presentation at the Guy Van Orden Workshop on Cognition and Dynamics, VII, Storrs, CT.

Warlaumont, A. S. (2012, July). Simulating evolution and learning of human vocal signals. Presented at the 2012 DOE CSGF Annual Conference, Arlington, VA.

Warlaumont, A. S., Westermann, G., & Oller, D. K. (2012, July). A connectionist model of early motor speech development that learns by using reinforcement. Presented at the Neural Computation in Psychology Workshop, San Sebastian, Spain.

Oller, D. K., Griebel, U., Warlaumont, A. S. (2012, July). Vocal development as a guide to modeling the evolution of language. Presented at the Konrad Lorenz Institute for Evolution and Cognition Research Workshop on Origins of Complex Communication and Language: Epigenetic Modeling and Ethological Observation, Altenberg, Austria.

Warlaumont, A. S., Westermann, G., Oller, D. K., & Buder, E. H. (June 2012). A neural network model of infant vocalization learning with reinforcement. Poster presented at the International Conference on Infant Studies, Minneapolis, MN.

Warlaumont, A. S., Dale, R., Buder, E. H., Franklin, B., & Oller, D. K. (2012, June). Interactive online training and diary systems for caregivers of prelinguistic infants. Poster presented at the International Child Phonology Conference, Minneapolis, MN.

Franklin, B., Warlaumont, A. S., Lambert, B., Messinger, D. S., Oller, D. K. (2012, June). Volubility of infant vocalization in face to face, still face, and reunion. Poster presented at the International Child Phonology Conference, Minneapolis, MN.

Warlaumont, A. S., & Dale, R. (2012, May). Analysis of interpersonal dynamics in spoken interaction. Workshop given at the TIMELY Training School on Dynamical Systems for Psychological Timing and Timing in Speech Processing, organized by M. A. Elliott, A. Esposito, & A. Vatakis, Salerno, Italy.

Warlaumont, A. S., Oller, D. K., Buder, E. H., & Westermann, G. (2011, July). A computational neural network model of infant vocal learning. Poster presented at the Department of Energy Computational Science Graduate Fellowship Annual Conference, Arlington, VA.

Warlaumont, A. S., Oller, D. K., & Dale, R. (2011, July). Temporal dynamics of adult-child vocal interaction as measured by automated analysis of naturalistic day-long recordings. Presented in a symposium organized by M. Soderstrom at the meeting of the International Association for the Study of Child Language (IASCL), Montreal.

Warlaumont, A. S., Oller, D. K., & Dale, R. (2011, April). Child-adult leading and responding in LENA recordings: quantitative measures that predict autism and other group differences. Poster presented at the LENA User Conference, Denver, CO.

Warlaumont, A. S., & Jarmulowicz, L. (2010, November). Higher input frequency correlates with earlier acquisition of grammatical suffixes. Technical session presented at the American Speech-Language-Hearing Association (ASHA) Convention, Philadelphia, PA.

Warlaumont, A. S. (2010, November). Extending LENA to measure leading and following by child and adult. LENA Symposium preceding the American Speech-Language-Hearing Association (ASHA) Convention, Philadelphia, PA.

Warlaumont, A. S. (2010, June). Modeling the emergence of speech perception and production abilities in human infancy. Poster presented at the Department of Energy Computational Science Graduate Fellowship Annual Conference, Washington, DC.

Warlaumont, A. S., Oller, D. K., Dale, R., Gilkerson, J., Richards, J. A., & Xu, D. (2010, May). Leader-follower dynamics of adult-child vocal interaction in autism spectrum disorder. Presented at the International Meeting for Autism Research, Philadelphia, PA.

Warlaumont, A. S., & Oller, D. K. (2010, April). Assessing the categorical status of pre-speech phonological categories through continuous listener judgments. Presented at the International Child Phonology Conference, Memphis, TN.

Warlaumont, A. S., Oller, D. K., & Buder, E. H. (2010, March). Modeling the perception of infant vocalizations: a comparison of a self-organizing map and principal components analysis. Poster presented at the International Conference on Infant Studies, Baltimore, MD.

Warlaumont, A. S., Lee, H. C., van Drongelen, W., Benayoun, M., Stevens, R. L., & Hereld, M. (2009, August). Quantitative comparison of realistic and simplified computational models of epileptic neocortex. Poster presented at

Tools for Epilepsy Research: Tutorials & Updates, Chicago, IL.

Warlaumont, A. S., Oller, D. K., Buder, E. H., Dale, R., & Kozma, R. (2009, July). Neural networks that "listen" to infant vocalizations. Poster presented at the Department of Energy Computational Science Graduate Fellowship Annual Conference, Washington, DC.

Warlaumont, A. S., Oller, D. K., Buder, E. H., & Kwon, K. (2008, November) A self-organizing neural network for classification of infants' preverbal vocalizations. Technical session presented at the American Speech-Language-Hearing Association (ASHA) Convention, Chicago, IL.

Warlaumont, A. S., Oller, D. K., Buder, E. H., Kozma, R., & Dale, R. (2008, July). Analysis of infant vocalizations using a self-organizing map. Poster presented at the 30th Annual Meeting of the Cognitive Science Society, Washington, DC.

Warlaumont, A. S., Oller, D. K., Buder, E. H., & Dale, R. (2008, May). Using self-organizing neural networks to classify and model the perception of infant vocalizations. Presented at the International Child Phonology Conference, Purdue University, West Lafayette, IN.

Warlaumont, A. S., Jarmulowicz, L., & Lowder, S. M. (2008, March). Suffix frequency in the speech of mothers, typical children, and late-talkers. Poster presented at the 38th Annual Mid-South Conference on Communicative Disorders, Memphis, TN.

Lupyan, G., Dale, R., & Warlaumont, A. S. (2008, March). Form-meaning compositionality derives from social and conceptual diversity. Presented at the 7th Evolution of Language Conference, Barcelona, Spain.

Warlaumont, A. S., Hunter, C. M., & Edelman, S. (2005, November). Experience-induced effects on the representation of scene structure. Poster presented at the 13th Annual Meeting on Object Perception, Attention, and Memory (OPAM), Toronto, Canada.

Hunter, C. M., Warlaumont, A. S., & Edelman, S. (2005). A behavioral handle on the phenomenology of scene perception [abstract]. *Journal of Vision, 5*(8):78, 78a. Available: http://journalofvision.org/5/8/78/, doi:10.1167/5.8.78.

OTHER PRESENTATIONS

Warlaumont, A. S. (2021, March). Exploratory dynamics of vocal foraging during infant-caregiver communication. Cornell University B.A.B.Y. Lab group meeting.

Warlaumont, A. S. (2021, January). Exploratory dynamics of vocal foraging during infant-caregiver communication. University of Cincinnati Center for Cognition, Action, & Perception seminar.

Warlaumont, A. S. (2020, February). Pretzer et al. (2019): Infant-adult vocal interaction dynamics depend on infant vocal type, child-directednes of adult speech, and timeframe. DARCLE (Daylong Audio Recordings of Children's Linguistic Environments) Meeting.

Warlaumont, A. S. (2018, November). Infant and caregiver vocalization as socially-guided foraging. UCLA Social Psychology Area Brown Bag.

Warlaumont, A. S. (2018, April). A spiking neural network that learns to control a simulated human vocal tract. UCLA Computational Neuroscience Affinity Group.

Warlaumont, A. S. (2017, October). The discovery of speech vocalizations by human infants and computational models. UCLA Phonetics Seminar.

Warlaumont, A. S. (2017, October). The discovery of speech vocalizations by human infants and computational models. Indiana University.

Warlaumont, A. S. (2017, June). Vocal communication development in human infancy: Social rewards & exploration dynamics. University of Warsaw.

Warlaumont, A. S. (2017, June). How do infants learn to produce syllabic speech sounds? Neurocognitive Laboratory, Nicolaus Copernicus University, Torun.

Warlaumont, A. S. (2017, April). Vocal communication development in human infancy. UC Davis Developmental Brown Bag.

Warlaumont, A. S. (2017, January). Evolution and development of syllabic speech sounds. ABACUS symposium public talk, Nijmegen.

Warlaumont, A. S. (2017, January). Evolutionary implications of pre-linguistic human infant vocalization. ABACUS symposium workshop talk, Nijmegen.

Warlaumont, A. S. (2016, May). Modeling the evolution and development of human vocalization. UCLA Behavior, Evolution, and Culture (BEC) Seminar.

Warlaumont, A. S. (2015, November). How social interactions help build infants' speech production skills: New insights from daylong, naturalistic audio recordings. UC Early Childhood Education Center Directors Meeting.

Warlaumont, A. S. (2015, March). Early language development and autism. In the 2nd Annual UC Merced Symposium on the Child and Family: A day of professional growth event organized by UC Merced and GAEYC.

Finnegan, M. K., & Warlaumont, A. S. (2015, March). Parameter and speed comparisons of the articulatory speech synthesizers used by DIVA and Praat. Poster presented at the 2015 UC Merced Research Week Student Research Poster Competition.

Warlaumont, A. S. (2014, September). Modeling the emergence of human vocal communication from millisecond to evolutionary timescales. Kyoto University.

Warlaumont, A. S. (2014, July). Reinforcement-modulated learning in early human vocalization development. Presented to the Inria Flowers Laboratory, Bordeaux.

Warlaumont, A. S. (2013, June; 2014, June; and 2015, July). Computational modeling of human vocalization. Presented to the University of California, Merced Undergraduate Research Mentorship program students.

Warlaumont, A. S. (2014, May). Infant vocal foraging. Presented at the University of California, Merced Foraging Workshop.

Warlaumont, A. S. (2014, May). Mechanisms for learning from social and intrinsic rewards in early speech development. Presented to the Center for Human Development and Department of Cognitive Science at the University of California, San Diego.

Warlaumont, A. S. (2014, May). Mechanisms for learning from social feedback in early speech development. Invited presentation at the Stanford University Developmental Brownbag Series.

Warlaumont, A. S. (2014, April). Modeling the emergence of human vocal communication at multiple timescales. Invited talk at the University of Cincinnati Center for Cognition, Action, & Perception.

Warlaumont, A. S. (2014, March, and 2015, March). Speech-language development with special focus on prelinguistic sounds. Guest lecture in *Language and Linguistics* (regular instructor Teenie Matlock), University of California, Merced.

Warlaumont, A. S. (2014, January). Developing the foundations for speech production. In the Child Triumphs and Troubles: Language and Learning in the Early Years Conference, a professional growth event organized by UC Merced and GAEYC.

Warlaumont, A. S. (2013, October). Automated analysis of audio in FFSF. Presented to Daniel Messinger's lab and collaborators at the University of Miami.

Walle, E. A., & Warlaumont, A. S. (2013, September). Walking and language: What next… Presented at the University of California, Merced Developmental Journal Club.

Warlaumont, A. S. (2013, March). Reinforcement in early vocal learning. Presented at the University of California, Merced Developmental Journal Club.

Warlaumont, A. S. (2012, October). Incorporating realistic physiology into a model of signal evolution. Presented at the University of Memphis Cognitive Science Seminar.

Warlaumont, A. S. (2012, February). Neural networks for studying infant vocalizations. Presented at the University of Memphis Cognitive Science Seminar.

Warlaumont, A. S. (2011, March). Feedback loops in the emergence of speech: computational perspectives. Presented at the University of California, Merced's Mind, Technology, and Society talk series.

Warlaumont, A. S. (2011, February). Insights from computational studies of child-caregiver vocal interaction. Presented at the University of Memphis Audiology and Speech-Language Pathology Ph.D. Colloquium.

Warlaumont, A. S. (2010, May). A computational model of the development of speech perception and production capabilities in human infancy. Presented at the University of Memphis Institute for Intelligent Systems Student Organization (IISSO) Research Fair.

Buder, E. H., & Warlaumont, A. S. (2010, April). Dynamic indicators of mother-infant prosodic and illocutionary coordination. Presented at the University of Memphis School of Audiology and Speech-Language Pathology Ph.D. Colloquium.

Warlaumont, A. S. (2009, November). Quantitative measures of infant vocal behavior. Presented at the University of Memphis Cognitive Brown Bag.

Warlaumont, A. S. (2009, September). Comparison of simulations from detailed vs. abstract computational models of neocortical dynamics in epilepsy. Presented at the University of Memphis School of Audiology and Speech-Language Pathology Ph.D. Colloquium.

Warlaumont, A. S. (2009, August). Comparing computational models of brain dynamics in epilepsy. Presented to the Argonne National Laboratory Futures Lab.

Warlaumont, A. S. (2009, March). "Difficult" suffixes are less frequent in mothers' speech than "easy" suffixes. Presented at the University of Memphis Student Research Forum.

Warlaumont, A. S. (2008, February; 2009, February; 2010, September). Making a web page using SeaMonkey and UMDrive. Presented at the University of Memphis School of Audiology and Speech-Language Pathology Ph.D. Colloquium.

Warlaumont, A. S. (2008, October 31). A neural network method for data-driven acoustic analysis of infant vocalizations. Precandidacy project presented at The University of Memphis School of Audiology and Speech-Language Pathology Ph.D. Colloquium.

Warlaumont, A. S. (2008, March). Analysis of infant vocalizations using a self-organizing map. Poster presented at the 4th Annual University of Memphis Computer Science Research Day.

Warlaumont, A. S. (2008, January). Exploration of infant vocal development using a self-organizing map. Presented at The University of Memphis School of Audiology and Speech-Language Pathology Ph.D. Colloquium.

Warlaumont, A. S. (2007, October). Guest lecture on unsupervised learning with self-organizing maps, Computational Intelligence, The University of Memphis.

THESES

Warlaumont, A. S. (2012). *Early human vocalization development: A collection of studies utilizing automated analysis of naturalistic recordings and neural network modeling* (Doctoral dissertation, University of Memphis).

Warlaumont, A. S. (2005). *Effects of contextual regularities on memory for a configuration of objects within a scene* (Honors thesis, Cornell University).

PRESS COVERAGE

Zeliadt, N. (March 23, 2015). The social network: How everyday interactions shape autism. *Simons Foundation Autism Research Initiative*, reprinted in *The Guardian*. Available at http://sfari.org/news-and-opinion/news/2015/the-social-network-how-everyday-interactions-shape-autism and http://www.theguardian.com/science/2015/mar/26/can-parental-training-improve-the-course-of-autism

Pryce, M. (June 27, 2014). Anne Warlaumont, UC Merced—Positive Feedback Loop. *Academic Minute* [broadcast by Northeast Public Radio]. Available at: http://academicminute.org/2014/06/warlaumont/

Ibarra, Ana B. (March 23, 2014). UC Merced professor heads language development research. *Merced Sun-Star*, reprinted in the *Fresno Bee* and the *Sacramento Bee*. Available at: http://www.mercedsunstar.com/2014/03/23/3564033_uc-merced-professor-heads-language.html?rh=1

Bower, B. (2013). Babies' flexible squeals may enable them to talk later: Communication advance in months after birth tied to language learning. *Science News*, *183*(9), 17. Available at: http://www.sciencenews.org/view/generic/id/349315/description/Babies_flexible_squeals_may_enable_them_to_talk_later

O'Donnell, Thomas R. (2011). Modeling a neural network. *The DOE CSGF Annual DEIXIS*. Available at: http://www.krellinst.org/doecsgf/docs/Deixis2011.pdf

TEACHING

Instructor, Communication and Cognition (Graduate), University of California, Los Angeles, Spring 2022.

Instructor, Communication Development (Undergraduate), University of California, Los Angeles, Fall 2018, Spring 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2021.

Instructor, Voice and Its Perception (Undergraduate), University of California, Los Angeles, Winter 2018 and 2019 and Fall 2020, Spring 2022.

Instructor (with Rick Dale and Michael Richardson), BRAINVIEW Workshop: Dynamical Methods of Time Series Analyses, Warsaw, May 30–June 1, 2017.

Instructor, Speech Processing (Combined Undergraduate and Graduate), University of California, Merced, Fall 2013, Fall 2014, and Spring 2017.

Instructor, Cognitive Neuroscience (Undergraduate), University of California, Merced, Spring 2013, 2014, and 2015.

Instructor, Cognitive Science Grad Seminar (Graduate), University of California, Merced, Fall 2012.

Teaching assistant, Nonlinear Methods, Friends of Havana January Complexity Seminars, October 2010.

Teaching assistant, Language and Speech Development (Masters), The University of Memphis, Fall 2009.

Teaching assistant, Introduction to Psychology (Undergraduate), The University of Texas at Austin, Fall 2006.

POSTDOC ADVISING

Ritwika V. P. S., UCLA, October 2021–present.
Silvia Pagliarini, UCLA, August 2021–July 2022.
Kyle MacDonald, UCLA, January–October 2019.

PH.D. STUDENT ADVISING

Jeffrey Mai, UCLA, 2021–present.
Gina Pretzer, UC Merced (Cognitive Science), 2014–2017.
Timothy Shea, UC Merced (Cognitive Science), co-advisor with C. T. Kello and D. C. Noelle, 2014–2017.

PH.D. STUDENT COMMITTEES

Emily M. Neer, UCLA (Psychology), Committee Member, 2022–present.
Sara Schneider, UC Merced (Psychology), Committee Member, 2019–2021.
Megan Smith, UC Merced (Psychology), Committee Member, 2014–2019.
Gina Pretzer, UC Merced (Cognitive Science), 2017–2019.
Chelsea Gordon, UC Merced (Cognitive Science), Committee Member, 2017.
Camilla Alviar, UC Merced (Cognitive Science), Committee Member, 2017.
John Bunce, UC Merced (Psychology), Committee Member, 2014–2017.
Patricia Lichtenstein, UC Merced (Cognitive Science), Committee Member, 2013–2017.
Jessica M. Ross (Cognitive Science), UC Merced, First Year Project Committee Member, 2014.
Daniel Holman, UC Merced (Cognitive Science), First and Second Year Project Committee Member, 2013–2015.
Drew H. Abney, UC Merced (Cognitive Science), Committee Member, 2013–2016.

UNDERGRADUATE STUDENT RESEARCH FELLOWSHIPS SUPERVISED

Forrest Yeh, UC Merced (Bioengineering), Fellowship for Undergraduate Research, 2015–2016.

Megan Finnegan, UC Merced (Cognitive Science), Undergraduate Research in Computational Biology Scholarship, 2014–2015.

UCLA UNDERGRADUATE STUDENT RESEARCH WEEK PRESENTERS MENTORED

Anvi Brahmbhatt, 2022
Rachel Soltesz, 2022

UNIVERSITY SERVICE

University of California, Los Angeles Senate Undergraduate Council, Fall 2020–present.

University of California, Los Angeles School of Social Sciences Climate Assessment Committee, 2019–present.

University of California, Los Angeles First Year Scholars Program Faculty Panelist and Luncheon Participant, Fall 2019 & Winter 2020, respectively.

University of California, Merced Alliance for Child and Family Health and Development, General Governing Board, Fall 2016–Summer 2017.

University of California, Merced Research Computing Faculty Advisory Board, Fall 2014–Summer 2017.

University of California, Merced Graduate Student Fellowship Reviewer, Spring 2017.

University of California, Merced Institutional Review Board Member, Fall 2013–Summer 2015.

University of California, Merced Distinguished Cognitive Scientist Committee, Fall 2012–Spring 2015.

Organized the first interdisciplinary Foraging Workshop at the University of California, Merced, May 12, 2014.

Organized the University of California, Merced Cognitive and Information Sciences Mind, Technology, and Society seminar, Fall 2012.

Vice President of The University of Memphis Institute for Intelligent Systems Student Organization (ISSO), Fall 2011–Spring 2012.

Archivist/Secretary for The University of Memphis Institute for Intelligent Systems Student Organization (ISSO), Spring 2010–Spring 2011.

Curriculum Committee, The University of Memphis, School of Audiology and Speech-Language Pathology, September 2009–August 2010 and September 2011-August 2012.

Organized the University of Memphis School of Audiology and Speech-Language Pathology Ph.D. Colloquium, Spring 2011.

Appointments Committee, The University of Memphis, School of Audiology and Speech-Language Pathology. September 2007–August 2009.

PROFESSIONAL SERVICE

Sensorimotor Interaction, Language and Embodiment of Symbols (SMILES) Workshop at ICDL Co-Organizer, 2021 and 2022.

IEEE Technical Committee (TC) on Cognitive and Developmental Systems Member, 2021–present.

DARCLE Senior Board Member, 2019–present.

PLAY Project Member, 2016–present.

HomeBank Founder and Principal Investigator, 2015–present.

IEEE CDSTC Language and Cognition Task Force, 2015–present.

DARCLE Vice President, 2015–2019.

Databrary Advisory Board Member, 2016–2018.

IEEE CIS TC AMD Developmental Psychology Task Force, 2015–2018.

ICDL-EpiRob BabyBot Challenge Working Group Member, 2016–2017.

IEEE CIS TC AMD Web Presence Task Force, 2015–2016.

Program Committee, ASHA Convention (Language in Infants, Toddlers, and Preschoolers), 2015 & 2016.

Co- Program Chair, International Conference on Development and Learning and Epigenetic Robotics, 2015.

Organizing Committee, Annual Meeting of the Cognitive Science Society, 2015.

Program Committee, Annual Meeting of the Cognitive Science Society, 2014–2015.

Group project leader, UC Merced Center for Human Adaptive Systems and Environments (CHASE) Summer School I: The Dynamics of Music and Language, June 2014.

2012 Department of Energy Computational Science Graduate Fellowship ambassador (to new fellow Britni Crocker).

Organizing Committee, 2010 International Child Phonology Conference.

Ad hoc journal reviews:
Behavior Research Methods
Child Development
Cognitive Science
Computers in Biology and Medicine
Developmental Science
Frontiers in Integrative Neuroscience
Frontiers in Psychology
IEEE Transactions on Cognitive and Developmental Systems
IEEE Transactions on Autonomous Mental Development
Infancy
Journal of Child Language
Journal of Comparative Psychology
Language and Communication
Language, Cognition, and Neuroscience

Language Learning
OpenMind
Pediatrics
PLOS ONE
Science
Scientific Reports
WIREs Cognitive Science.

Ad hoc conference reviews:
Annual Meeting of the Cognitive Science Society
International Conference on Development and Learning and Epigenetic Robotics
Florida Artificial Intelligence Research Society Conference.

Ad hoc grant proposal reviews:
Canada Social Sciences and Humanities Research Council
National Science Foundation
Netherlands Organization for Scientific Research
Research Foundation Flanders.

COMMUNITY OUTREACH

Co-organized the 2nd Annual UC Merced Symposium on Child and Family, "Myths about Child Development and Learning," a professional growth event for community child educators held at UC Merced on March 14, 2015.

Met with female high school students at the AAUW "Dinner with a scientist," Merced, CA, October 2, 2014.

Met with female middle school students at the AAUW Tech Trek science & math camp. Fresno, CA, June 16, 2014.

Co-organized "Child Triumphs and Troubles: Language and Learning in the Early Years Conference," a professional growth event for community child educators held at UC Merced on January 25, 2014.

PROFESSIONAL SOCIETY MEMBERSHIPS

DARCLE (Daylong Audio Recording of Child Language Environments), 2014–present.
International Society on Infant Studies, 2010–2017, 2022–present.
Cognitive Science Society, 2008, 2010, 2013–2017, 2019–present.
American Speech-Language-Hearing Association, 2008, 2010, 2013–2016.
IEEE & IEEE Computational Intelligence Society, 2015–2016.
Sigma Xi, The Scientific Research Society, Merced chapter, 2012–2014.
International Organization for Psychophysiology, 2014.
Organization for Computational Neurosciences, 2013.
Society for the Study of Artificial Intelligence and the Simulation of Behavior, 2011.
International Society for Autism Research, 2010.
American Psychological Association, 2008.

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