

Curriculum Vitae

MARY K. FAGAN, PhD

Chapman University

Crean College of Health and Behavioral Sciences
Department of Communication Sciences & Disorders
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Academic and Research Positions

CHAPMAN UNIVERSITY, Orange, CA 2016—Present
Assistant Professor
Department of Communication Sciences and Disorders
Director: Early Language and Cognitive Development Lab

Concurrent affiliation:
Center for Hearing Research 2017—Present
University of California, Irvine

UNIVERSITY OF MISSOURI, Columbia, MO 2009—2016
Assistant Professor
Department of Communication Science and Disorders
Director: Infant Language and Cognitive Development Lab

Concurrent appointments:
Adjunct Assistant Professor 2013—2016
Department of Psychological Sciences

Adjunct Assistant Professor 2013—2016
Interdepartmental Program in Linguistics

INDIANA UNIVERSITY 2006—2009
School of Medicine, Indianapolis, IN
NIH Postdoctoral Research Fellow

CARDIFF UNIVERSITY, Cardiff, Wales, UK 2005—2006
Research Associate
School of Psychology

UNIVERSITY OF MISSOURI, Columbia, MO 2000—2005
Graduate Research Assistant
Psychological Sciences

UNIVERSITY OF CALIFORNIA, San Diego 1999—2000
School of Medicine
Clinical Instructor, Department of Pediatrics

Clinical Positions

NAVAL MEDICAL CENTER, San Diego, CA 1989—2000

Department of Pediatrics

Speech-Language Pathologist, Developmental Assessment Team

Facilitator, Executive Steering Committee, USNS MERCY

Facilitator, Alcohol Prevention Campaign, USMC Camp Pendleton

Member, Cleft Palate-Craniofacial Board

PALOMAR MEDICAL CENTER, Escondido, CA 1985—1989

Speech-Language Pathologist

Participant, Trauma Grand Rounds

Member, Tumor Board

Education

PhD, Developmental Psychology

University of Missouri, Columbia, MO

MA and BA, Speech Pathology & Audiology

San Diego State University, San Diego, CA

Grants and Funding

Active Grants

Chapman University

Faculty Opportunity Fund: *The Dynamics of Mother-infant Interactions when Infants have Profound Hearing Loss*, Awarded May 2021 (June 2021-May 2022)

Crean College of Chapman University

Pandemic Research Relief Award, Role: PI, Awarded April 2021 (June 2021-May 2022)

Grants Completed

NIH/NICHD and Medical University of South Carolina

Training in Grantsmanship for Rehabilitation Research (TIGRR), Awarded January 2018

Mizzou Advantage Faculty Interdisciplinary Development Award

Engineering, Hearing, and Infant Development; Role: PI, Awarded April 2014

University of Missouri, School of Health Professions, Faculty Catalyst Award

Attention and Exploration in Infants with Hearing Loss; Role: PI, Awarded July 2013

NIH Competitive Loan Repayment Program for Pediatric Research

Vocalization & Exploration in Hearing, Deaf, and Cochlear-Implanted Infants:

Implications for Action-Perception Relationships and Auditory-Motor Representations

Role: PI, Competitive Renewal Awarded 2010-2011

Role: PI, Awarded 2007-2009

University of Missouri, Faculty International Travel Award
International Conference on Cochlear Implants and Other Implantable Auditory Technologies, Stockholm; Role: PI, Awarded, October 2010

American Speech-Language-Hearing Foundation, Research Grant in Speech Science
Vocalization and Sound Exploration in Hearing, Deaf, and Cochlear-Implanted Infants
Role: PI, Awarded 2007

NIH Post-doctoral Research Fellowship, Indiana University, 2006-2009
T32 Training Grant; PI: David B. Pisoni

Grants Submitted

American Speech-Language-Hearing Foundation New Century Scholars Research Grant
Test of Eye-Tracking in Dynamic Interactions with Infants with Profound Hearing Loss
Role: PI, Submitted April, 2020 (not funded)

NIH R15 Grant Application
Maternal Directives: Mechanism of Influence on Vocabulary Development in Infants with Hearing Loss
Role: PI, Submitted 2017 (not funded). Will be extensively revised for a new submission with collaborators at Rady Children's Hospital, San Diego

Publications

Peer-Reviewed Publications

Fagan, M. K. (invited revision). Children's Access to Books, Libraries, and Storybook Reading: Survey of Mothers at a Family Homeless Shelter. *Urban Education*.

Fagan, M. K. & Vu, M.-C. (invited revision). Prelinguistic consonant production and the influence of mouthing before and after cochlear implantation. *Ear and Hearing*.

Fagan, M. K. & Malatian, P. (in press). Public speaking coaching for adult Special Olympics athletes. *Perspectives of the ASHA Special Interest Groups*.

Bushman, B., Meek, S., Purpura, M., & Fagan, M. K. (2021, online ahead of print). Story hour at a family homeless shelter: Contribution to graduate students' preparation and confidence in preliteracy skills. *Journal of Communication Disorders*.

Kondaurova, M. V., Fagan, M. K., & Zheng, Q. (2020). Vocal imitation between mothers and their children with cochlear implants. *Infancy*, 25, 827-850.

Kondaurova, M., V., Smith, N. A., Zheng, Q., Reed, J., & Fagan, M. K. (2020). Vocal turn taking between mothers and their children with cochlear implants. *Ear and Hearing*, 41, 362-373.

- Osman, K. L., Kohlberg, S., Mok, A., Brooks, R., Lind, L. A., McCormack, K., Ferreira, A., Kadosh, M., Fagan, M. K., Bearce, E., Nichols, N. L., Coates, J. R., & Lever, T. E. (2020). Optimizing the translational value of mouse models of ALS for dysphagia therapeutic discovery. *Dysphagia*, *35*, 343-359.
- Fagan, M. K. & Doveikis, K. N. (2019). What mothers do after infants vocalize: Implications for vocal development or word learning? *Journal of Speech, Language, and Hearing Research*, *62*, 2680-2690.
- Fagan, M. K. (2019). Exploring in silence: Hearing and deaf infants explore objects differently before cochlear implantation. *Infancy*, *24*, 338-355.
- Bushman, B., & Fagan, M. K. (2018). Public library programs and accommodations for deaf and hard-of-hearing children in the United States. *Journal of Deaf Studies and Deaf Education*, *24*, 74-83.
- Fagan, M. K. & Doveikis, K. N. (2017). Ordinary interactions challenge proposals that maternal verbal responses shape infant vocal development. *Journal of Speech, Language, and Hearing Research*, *60*, 2819-2827.
- Fagan, M. K. (2015). Why repetition? Repetitive babbling, auditory feedback, and cochlear implantation. *Journal of Experimental Child Psychology*, *137*, 125-136.
- Fagan, M. K. (2015). Cochlear implantation at 12 months: Benefits and limitations for vocabulary development. *Cochlear Implants International*, *16*, 24-31.
- Fagan, M. K. (2014). Frequency of vocalization before and after cochlear implantation: Dynamic effect of auditory feedback on infant behavior. *Journal of Experimental Child Psychology*, *126*, 328-338.
- Fagan, M. K., Bergeson, T. R., & Morris, K. J. (2014). Synchrony, complexity and directiveness in mothers' interactions with infants pre- and post-cochlear implantation. *Infant Behavior and Development*, *37*, 249-257.
- Fagan, M. K. (2011). Change in measures of infant behavior within six months of cochlear implantation. *Cochlear Implants International*, *12*, S96-S97.
- Fagan, M. K. & Pisoni, D. B. (2010). Hearing experience and receptive vocabulary development in deaf children with cochlear implants. *Journal of Deaf Studies and Deaf Education*, *15*, 149-161.
- Fagan, M. K. & Pisoni, D. B. (2009). Perspectives on multisensory experience and cognitive development in infants with cochlear implants. *Scandinavian Journal of Psychology*, *50*, 457-462.

- Fagan, M. K. (2009). Mean length of utterance before words and grammar: Longitudinal trends and developmental implications of infant vocalizations. *Journal of Child Language*, 36, 495-527.
- Fagan, M. K. & Montgomery, T. R. (2009). Managing referrals for children with receptive language delay. *Clinical Pediatrics*, 48, 72-80.
- Fagan, M. K. (2008). Toddler's persistence when communication fails: Response motivation and goal substitution. *First Language*, 28, 55-69.
- Horn, D. L., Fagan, M. K., Dillon, C. M., Pisoni, D. B. & Miyamoto, R. T. (2007). Visual-motor integration skills of pre-lingually deaf children: Implications for pediatric cochlear implantation. *Laryngoscope*, 117, 2017-2025.
- Fagan, M. K., & Iverson, J. M. (2007). The influence of mouthing on infant vocalization. *Infancy*, 11, 191-202.
- Fagan, M. K., Pisoni, D. B., Horn, D. L., & Dillon, C. M. (2007). Neuropsychological correlates of vocabulary, reading, and working memory in deaf children with cochlear implants. *Journal of Deaf Studies and Deaf Education*, 12, 461-471.
- Iverson, J. M., & Fagan, M. K. (2004). Infant vocal-motor coordination: Precursor to the gesture-speech system? *Child Development*, 75, 1053-1066.

Book Chapters (Editor-Reviewed)

- Fagan, M. K., Eisenberg, L. S., & Johnson, K. C. (2020). Investigating Early Pre-implant Predictors of Language and Cognitive Development in Children with Cochlear Implants. In M. Marschark & H. Knoors (Eds.), *The Oxford handbook of deaf studies in learning and cognition* (pp. 46-59). New York, NY: Oxford University Press.
- Fagan, M. K. (2016). Spoken vocabulary development in deaf children with and without cochlear implants. In M. Marschark & P. E. Spencer (Eds.), *The Oxford handbook of deaf studies in language* (pp. 132-145). New York, NY: Oxford University Press.

Published Proceedings (Peer-Reviewed)

- Kondaurova, M. V., Fagan, M. K., Dilley, L. C., & Bergeson-Dana, T. R. (2016). Vocal matching in interactions between mothers and their normal-hearing and hearing-impaired twins. *Proceedings of Meetings on Acoustics*, 26, 1-15.

Published Abstracts

- Kondaurova, M. V., Smith, N. A., Zheng, Q., Reed, J., & Fagan, M. K. (2019). Temporal coordination of vocal turn taking between mothers and their children with hearing loss. *Journal of the Acoustical Society of America*, 145, 1731.

Fagan, M. K. (2008). Vocalizations of deaf infants before and after cochlear implantation. *Journal of the Acoustical Society of America*, 123, 3322.

Fagan, M. K. (2005). Trends in mean length of utterance before words and grammar (Doctoral dissertation, University of Missouri-Columbia, 2005). *Dissertation Abstracts International*, 66, 5122.

Manuscripts in preparation

Fagan, M. K. *A longitudinal study of vocalizations with mouthing.*

Fagan, M. K. *Cochlear implantation in adolescence: A twin study.*

Fagan, M. K. *Relations between vocalization frequency, object exploration, and hearing.*

Fagan, M. K. & Corbetta, D. *Infant Pointing in relation to vocalizations.*

Presentations

Invited Talks

Fagan, M. K. (2020, February). *Exploring infant agency in generating auditory input.* Invited talk presented to faculty and graduate students in the Cognitive and Cognitive Neuroscience Areas, University of California, Riverside, CA.

Fagan, M. K. (2019, June). *Infant agency in creating variability in the input.* Invited paper presented at the 14th Annual Center for Hearing Research Symposium, University of California, Irvine, CA.

Kondaurova, M. V., Smith, N. A., Zheng, Q., Reed, J., Fagan, M. K. (2019, May). *Temporal coordination of vocal turn taking between mothers and their children with hearing loss.* Session: Acoustic phonetic properties of infant- and child-directed speech. Invited paper presented at the 177th Meeting of the Acoustical Society of America, Louisville, KY.

Fagan, M. K. (2015, May). *Surrounded by Sound: Hearing and Learning Through Cochlear Implants.* Invited paper presented at the University of Missouri, Saturday Morning Science Program, Columbia, MO.

Fagan, M. K. (2010, November). *Early Cochlear Implantation: Implications for Infant Behavior and Development.* Invited paper presented at the Annual meeting of the American Speech-Language-Hearing Association. Sponsored by ASHA Special Interest Division: Aural Rehabilitation and its Instrumentation, and the Academy of Rehabilitative Audiology, Philadelphia, PA.

Peer-Reviewed Presentations (2007-2021)

Fagan, M. K., Carvalho, D., Purdy, J. (2021, accepted). *Vocalization and vocabulary development in infants with cochlear implants.* Paper accepted for presentation at the annual convention of the American Speech-Language-Hearing Association, Washington, D.C.

- Vu, M-C., Min, M., & Fagan, M. K. (2020, November). *The influence of mouthing on consonant production in infants with cochlear implants and hearing infants*. Proposal 12814 accepted for presentation at the annual convention of the American Speech-Language-Hearing Association, San Diego, CA (convention cancelled).
- Keren-Portnoy, T., DePaolis, R., Oxley, F., Fagan, M., Donnellan, E., & Laing, C. (July, 2020) *Babble changes babies' worlds*. Symposium accepted for the Biennial International Congress of Infant Studies (ICIS), Glasgow, Scotland (convention cancelled).
- Meek, S., Purpura, M., Fagan, M. K. (2019, November). *Targeting literacy through storytime for children living in a homeless center*. Poster presented at the annual meeting of the American Speech-Language-Hearing Association, Orlando, FL.
- Feitshans, O., Foerstel, H., Wagner, C., & Fagan, M. K. (2018, November). *Public speaking goals of Special Olympics athletes with intellectual disabilities*. Poster presented at the annual meeting of the American Speech-Language-Hearing Association, Boston, MA.
- Fagan, M. K. (2018, March). *Single-sided cochlear implantation in a young adult: Comparing performance with a hearing twin*. Poster presented at the American Cochlear Implant Alliance Symposium, Washington, DC.
- Fagan, M. K. (2017, November). *Infant exploration before and after cochlear implantation*. Poster presented at Children's Hospital of Orange County Research Week, Orange, CA.
- Fagan, M. K., & Drake, T. J. (2017, July). *Infant exploration before and after cochlear implantation*. Poster presented at the 15th Symposium on Cochlear Implants in Children, San Francisco, CA.
- Kondaurova, M. V., Dilley, L. C., Bergeson-Dana, T. R., & Fagan, M. K. (2016, May). *Vocal matching in interactions between mothers and their normal-hearing and hearing-impaired twins*. Poster presented at the 171st Meeting of the Acoustical Society of America, Salt Lake City, UT.
- Dunn, C. N., Goetz, E. A., & Fagan, M. K. (2015, November). *Maternal directive use with hearing infants and infants with cochlear implants*. Poster presented at the annual meeting of the American Speech-Language-Hearing Association, Denver, CO.
- Fagan, M. K., Goetz, E. A., & Dunn, C. N. (2015, October). *Continuity from early consonants to word use in hearing infants and infants with cochlear implants*. Poster presented at the American Cochlear Implant Alliance Symposium, Washington, DC.
- Fagan, M. K. (2015, July). *Over regulation and under representation in maternal utterances*. Paper presented at the 22nd International Congress on the Education of the Deaf, Athens.
- Doveikis, K. N., & Fagan, M. K. (2015, April). *Maternal behaviors following infant vocalization*. Poster presented at the annual meeting of the Missouri Speech-Language-Hearing Association, Osage Beach, MO.

- Fagan, M. K. (2014, December). *Why syllable repetition: Auditory perception and vocalization characteristics*. Poster presented at the 14th Symposium on Cochlear Implants in Children, Nashville, TN.
- Miller, T. N., & Fagan, M. K. (2012, April). *The impact of hearing loss on the development of gesture*. Paper presented at the annual meeting of the Missouri Speech-Language-Hearing Association, Osage Beach, MO.
- Fagan, M. K. (2011, November). *Auditory perception and early vocalization frequency: Theory and practice*. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, San Diego, CA.
- Miller, T. N., & Fagan, M. K. (2011, November). *Does hearing affect development of showing, giving, reaching or pointing?* Poster presented at the annual meeting of the American Speech-Language-Hearing Association, San Diego, CA.
- Fagan, M. K. (2011, July). *Words and symbols in deaf infants before and after cochlear implantation*. Paper presented at the 13th Symposium on Cochlear Implants in Children, Chicago, IL.
- Mattson, R., Henry, A., Scholl, A. K., Harris, K., Volz, R., & Fagan, M. K. (2011, April). *Infant vocalizations before and after cochlear implantation*. Poster presented at the annual meeting of the Missouri Speech-Language-Hearing Association, Osage Beach, MO.
- Fagan, M. K., & Lutz, J. P. (2011, April). *Theoretical and perceptual implications of infant vocalization*. Poster presented at the biennial meeting of the Society for Research in Child Development, Montreal.
- Fagan, M. K. (2010, July). *Change in measures of infant behavior within six months of cochlear implantation*. Paper presented at the 11th International Conference on Cochlear Implants and Other Implantable Auditory Technologies, Stockholm, Sweden.
- Fagan, M. K. (2010, March). *Toy exploration in infants with hearing loss: Order effects and expectations*. Poster presented at the biennial International Conference on Infant Studies, Baltimore, MD.
- Fagan, M. K., & Clemons, S. (2009, November). *Social referencing and object-related gestures in infants with cochlear implants*. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, New Orleans, LA.
- Fagan, M. K. (2009, October). *Social behavior and object-related gestures in infants with cochlear implants*. Poster presented at the biennial meeting of the Cognitive Development Society, San Antonio, TX.
- Fagan, M. K., & Carfield, D. K. (2009, April). *Development of object-related gesture schemes in deaf infants with cochlear implants*. Poster presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.

- Fagan, M. K., Mummert, C., & Iverson, J. M. (2009, April). *Longitudinal influence of mouthing on infants' consonant production*. Poster presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.
- Fagan, M. K. (2008, November). *Infant Vocal Exploration Before and After Cochlear Implantation*. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Chicago.
- Fagan, M. K. (2008, July). *Vocalizations of deaf infants before and after cochlear implantation*. Poster presented at the Acoustics'08 International Conference, Paris.
- Fagan, M. K., Wonders, K. J., & Bergeson, T. R. (2008, April). *Mothers' conversations with their deaf and hearing children*. Poster presented at the 10th International Conference on Cochlear Implants, San Diego, CA.
- Fagan, M. K., Dillon, C. M., & Pisoni, D. B. (2007, November). *Vocabulary comprehension in children with cochlear implants*. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Boston, MA.
- Fagan, M. K. (2007, August). *Reduplicated Versus Variegated Babbling: What infants do and when they do it*. Poster presented at the British Psychological Society Developmental Section Conference, Plymouth, England.
- Fagan, M. K., Horn, D. L., Dillon, C. M., & Pisoni, D. B. (2007, April). *Neuropsychological correlates of vocabulary and reading in children with cochlear implants*. Poster presented at the International Conference on Cochlear Implants in Children, Charlotte, NC.

Service

Journal Editorial Roles

Editor, *American Journal of Speech-Language Pathology*, 2018-2021

Editorial Board Member, *American Journal of Speech-Language Pathology*, 2017

Ad Hoc Journal reviews

American Journal of Speech-Language Pathology
Archives of Pediatrics and Adolescent Medicine
Brain and Language
Child Development
Child Language Teaching and Therapy
Cochlear Implants International
Cognition
Cognitive Science
Developmental Science
Developmental Psychology
Ear and Hearing
Exceptional Children
Hearing Research
Infancy
Infant Behavior and Development

International Journal of Speech-Language Pathology
JAMA Pediatrics
Journal of Child Language
Journal of Communication Disorders
Journal of Deaf Studies and Deaf Education
Journal of Experimental Child Psychology
Journal of Speech, Language, and Hearing Research
Language Learning and Development
Laryngoscope
Learning and Individual Differences
Parenting: Science and Practice
Scandinavian Journal of Psychology

International and National Grant Reviews

National Science Foundation (NSF), Ad Hoc review
National Science Centre of Poland, Ad Hoc review
The Leverhulme Trust, Invited Review

International Conference Committees

Society for Research in Child Development, Biennial International Meeting Panels:

Language and Communication (2021); Panel co-chairs: Gloria Nélide Avecilla-Ramírez & Catherine Sandhofer

Language and Communication (2019); Panel co-chairs: Twila Tardif & Natalia Arias Trejo

Language and Communication (2017); Panel co-chairs: Catharine H. Echols & Cynthia Fischer

Language and Communication (2015); Panel co-chairs: Meredith Rowe & Thierry Nazzi

At Risk: Neurodevelopmental, Cognitive, Motor, and Perceptual Processes (2013); Panel chair: Martha Ann Bell

Language: Biological, Perceptual, and Cognitive Processes (2011); Panel chair: Ellen M. Markman

Language: Biological, Perceptual, and Cognitive Processes (2009); Panel chair: Ellen M. Markman

International Symposium on Cochlear Implants in Children, Poster judge, Chicago, 2011

National Awards Committees: American-Speech-Language Hearing Association (ASHA)

ASHA, Students Preparing for Academic & Research Careers Funding (SPARC) 2012, 2016, 2018, 2019, 2020

ASHA, Audiology-Hearing Science Research Travel Award (ARTA) 2013

University Service

Chapman University

University Level

Center for Undergraduate Excellence Funding Program, Reviewer 2017, 2018, 2019, 2021

Graduate Student Research Virtual Showcase Judge, May 2020

Library of the Future, Focus group member March 2020

Crean College of Health and Behavioral Sciences

Health Sciences Library Assistant Search Committee May 2021

Dean's Faculty Advisory Committee, 2019-2020

Communication Sciences and Disorders Department (CSD)

Tenure-Track Faculty Search Committee, 2018-2019

Non-Tenure-Track Faculty Search Committee, 2018-2019

CSD Accreditation Committee, 2017-2018

CSD Assessment Committee, 2017-present

Graduate Admissions Committee, 2017-present
Student Advisor, 2016-present

University of Missouri

University Level

Disabilities Advisory Board, 2012-2016

School of Health Professions

Faculty Research Committee, Chair 2013-2014

Faculty Research Committee, Co-Chair 2012-2013; Member 2011-2015

Communication Science and Disorders Department

Graduate Admissions Committee, 2009-2016

Faculty Search Committee, 2009-2015

Speech-Language Pathology Credentials

Certificate of Clinical Competence, American Speech-Language-Hearing Association
California Clinical-Rehabilitative Services Credential: Language, Speech, & Hearing
Specialist

State of California Speech Pathology License (current)

Professional Affiliations

American Cochlear Implant Alliance
American Speech-Language-Hearing Association
Association for Psychological Science
Cognitive Development Society
International Congress of Infant Studies
Society for Research in Child Development