

LAURA J. MATTIE

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I. PERSONAL HISTORY AND PROFESSIONAL EXPERIENCE

A. Educational Background

Metropolitan State University of Denver, B.A., Human Development, 2006
Colorado State University, M.S., Human Development and Family Studies, 2009
Colorado State University, Ph.D., Education and Human Development, 2012

B. List of Academic Positions since Final Degree

2012–2014 Postdoctoral Fellow, Translational Research in Intellectual and Developmental Disabilities (NICHD T32 HD057844), Life Span Institute, University of Kansas
2014–2015 Postdoctoral Fellow, Neurodevelopmental Disability Research Project, Department of Psychology, University of South Carolina
2015–2021 Assistant Professor, Speech and Hearing Science, University of Illinois at Urbana-Champaign
2015–2020 Associate Professor, Speech and Hearing Science, University of Illinois at Urbana-Champaign
2020–present Center for Social and Behavioral Science Affiliate, University of Illinois at Urbana-Champaign
2021–present Associate Professor, Speech and Hearing Science, University of Illinois at Urbana-Champaign

C. Other Professional Employment

2009–2011 Part-time Adjunct Instructor, Department of Social and Behavioral Sciences Front Range Community College-Larimer Campus
2012 Adjunct Instructor, Department of Human Development and Family Studies, Colorado State University

D. Honors, Recognitions, and Outstanding Achievements

2006 Human Development Outstanding Researcher Award, Psychology Department, Metropolitan State College of Denver
2010 Gloeckner Doctoral Award, School of Education, Colorado State University
2011 Selected Trainee, Interdisciplinary Training Conference in Developmental Disabilities (NICHD R13 HD057709)
2013 Theodore Tjossem Postdoctoral Award, 46th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities
2013 Research Mentoring-Pair Travel Award, 23rd Annual American Speech-Language-Hearing Association Research Symposium
2014 Poster Award, 2nd Annual KU Postdoctoral Research Day, University of Kansas
2016 Selected Trainee, ACES Research Academy, University of Illinois at Urbana-Champaign
2016 Outstanding Alumnus Award, Department of Psychology, Metropolitan State University of Denver
2017 Selected Trainee, Lessons for Success, American Speech-Language-Hearing Association
2021 Excellence in Undergraduate Teaching Award, College of Applied Health Science, University of Illinois at Urbana-Champaign

E. Invited Lectures and Invited Conference Presentations since Last Promotion

*Prior to July 2020, published under **Hahn, L. J.***

- Hahn, L. J.** (2016, April). *Life after MSU Denver: A graduate's journey to a career in research and teaching*. Department of Psychology, Metropolitan State University of Denver, Denver, Colorado.
- Hahn, L. J.** (2020, May). *Cognitive considerations for clinical trials in children with Down syndrome*. Clinical Trials in Down Syndrome for Co-Occurring Conditions across the Lifespan Workshop, National Institutes of Health INCLUDE Project.

F. Offices Held in Professional Societies

None

G. Editorships of Journals or Other Learned Publications

2021 Guest Editor, Special Issue on Neurogenetic Disorders, *Seminars in Speech & Language*, 42(4).

H. Grants Received since Last Promotion at the University of Illinois

Prior to July 2020, under Hahn, L. J.

- 2015–2016 **Hahn, L. J.** (PI). *Specification of the infant phenotype in Down syndrome*. University of South Carolina ASPIRE: Advanced Support for Innovative Research Excellence. \$5,000.
- 2015–2017 **Hahn, L. J.** (PI). *Trajectories of social and cognitive skills in fragile X syndrome and Down syndrome: A Biobehavioral Approach*. National Institute of Mental Health Loan Repayment Grant. \$34,127.50.
- 2016–2018 **Hahn, L. J.** (PI). *Prelinguistic predictors of first words in infants with Down syndrome*. University of Illinois at Urbana-Champaign Campus Research Board. \$29,996.
- 2016–2018 Sherman, S. (PI). *Down syndrome cognition project*. LuMind Down Syndrome Research Foundation. University of Illinois at Urbana-Champaign Site: Channell, M. (Site PI) & **Hahn, L.** (Site Co-I). \$34,166 (total costs awarded to the University of Illinois at Urbana-Champaign).
- 2017–2018 McElwain, N. (PI), Pomerantz, E (Co-PI), Bub, K. (Co-PI), **Hahn, L. J.** (Co-PI), Johnson, H. (Co-PI) & Bernhard, J (Co-PI). *Children in the wild: Engineering tools to capture child development in real-world contexts*. Social and Behavioral Sciences Research Initiative Small Grant Program, University of Illinois at Urbana-Champaign. \$19,890.
- 2019–2021 **Hahn, L., J.** (PI) & Hadley, P. (Co-I). *Impact of child and maternal gestures on word learning in Down syndrome*. CHAD Pilot Grant, College of Applied Health Sciences, University of Illinois at Urbana-Champaign. \$30,000.
- 2020–2023 **Hahn, L., J.** (PI), Hadley, P. (Co-I), Cohen, A. (Co-I), & Shen, S. (Co-I). *Impact of child and maternal gestures on word learning in fragile X syndrome*. National Institute of Deafness and Communication Disorders Early Career R21. \$454,977.
- 2021-2023 Channell, M. M. (PI), **Mattie, L. J.** (Co-I), Cohen, A. (Co-I), Kalb, L. (Co-I), Ludwig, N. (Co-I), & Rosser, T. (Co-I). *Evaluating ASD symptomatology in children with Down syndrome*. National Institute of Child Health and Human Development. \$440,823.

I. Review Panels

- 2018, 2020 University of Illinois Campus Research Board
- 2020 SPARC Reviewer, American Speech-Language-Hearing Association

II. PUBLICATIONS AND CREATIVE WORKS

- # Denotes any publication derived from the candidate's thesis.
- * Denotes publication that has undergone stringent editorial review by peers.
- + Denotes publication that was invited and carries special prestige and recognition.
- ^ Publication includes a student author mentored by Dr. Mattie

Prior to July 2020, published under Hahn, L. J.

A. Doctoral thesis title

Hahn, L. J. (2012). *The understanding of intentionality in children with Williams syndrome and Down syndrome* (Publication No. 3523773) [Doctoral dissertation, Colorado State University]. ProQuest Dissertations & Theses Global. (1069260708).

B. Books Authored or Co-Authored (in print or accepted)

None

C. Books Edited or Co-Edited (in print or accepted)

None

D. Chapters in Books (in print or accepted)

1. +Brady, N. C., & **Hahn, L. J.** (2017). Speech, language, and communication assessments and interventions. In M. L. Wehmeyer, I. Brown, M. Percy, W. L. A. Fung, & K. A. Shogren (Eds.), *A comprehensive guide to intellectual and developmental disabilities, 2nd edition* (pp. 447-471). Baltimore, MD: Paul H. Brookes Publishing Co.
2. +Warren, S. F., Bredin-Oja, S. L., **Hahn, L. J.**, & Brady, N. C. Communication and Language Interventions for Children with Down Syndrome. (2020). In J. Burack, J. Edgin, L. Abbeduto, & J. Busciglio (Eds.), *Oxford Handbook of Down Syndrome and Development*. Oxford University Press.

E. Monographs (in print or accepted)

None

F. Articles in Journals (in print or accepted)

1. *Wilson, K., **Hahn, L.**, Gonzales, P, Henry, K. L., & Cerbana, C. B. (2011). An evaluation of Partner's in Parenting: A parent education curriculum implemented by county extension agents in Colorado. *Journal of Extension*, 49(4), 1-11. doi: <http://www.joe.org/joe/2011august/rb3.php>
2. *+Fidler, D. J., Lunkenheimer, E., & **Hahn, L.** (2011). Emerging behavioral phenotypes and dynamic systems theory. *International Research Review in Intellectual Disabilities*, 40, 17-42. doi: 10.1016/B978-0-12-374478-4.00002-2
3. *+Hepburn, S. L., Fidler, D., **Hahn, L.**, & Philofsky, A. (2011). Social-perceptual and social-cognitive skills in young children with Williams syndrome: Evidence for discontinuity. *International Research Review in Intellectual Disabilities*, 40, 181-210.
4. *#**Hahn, L. J.**, Fidler, D. J., Hepburn, S. L., & Rogers, S. J. (2013) Early intersubjective skills and the understanding of intentionality in young children with Down syndrome. *Research in Developmental Disabilities*, 34, 4455-4465. doi: 10.1016/j.ridd.2013.09.027
5. *Brady, N. C., Anderson, C., **Hahn, L. J.**, Obermeier, S. M., & Kapa, L. L. (2014). Eye-tracking as a measure of receptive vocabulary in children with autism spectrum disorders. *Augmentative and Alternative Communication*, 30(2), 147-159. doi: 10.3109/07434618.2014.904923
6. *Daunhauer, L. A., Fidler, D. J., **Hahn, L.**, Will, E., Raitano, N. L. & Hepburn, S. (2014). Profiles of everyday executive functioning in young children with Down syndrome. *American Journal of Intellectual and Developmental Disabilities*, 119(4), 303-318. doi: 10.1352/1944-7558-119.4.303
7. ***Hahn, L. J.**, Fidler, D. J., & Hepburn, S. (2014). Adaptive behavior and problem behavior in young children with Williams Syndrome. *American Journal of Intellectual and Developmental Disabilities*, 119(1), 43-63. doi: 10.1352/1944-7558-119.1.49
8. ***Hahn, L. J.**, Zimmer, B. J., Brady, N., Siwnburne Romine, R. E., & Fleming, K. K. (2014). The role of maternal gesture use in speech use by children with fragile X syndrome. *American Journal of Speech-Language Pathology*, 23, 146-159. doi: 10.1044/2013_AJSLP-13-0046

9. ***Hahn, L. J.**, Brady, N. C., Warren, S. F., & Fleming, K. (2015). Do children with fragile X syndrome show declines or plateaus in adaptive behavior over time?. *American Journal of Intellectual and Developmental Disabilities, 120*(5), 412–432. doi: 10.1352/1944-7558-120.5.412
10. *Scherr, J. F., **Hahn, L. J.**, Hooper, S., Hatton, D., & Roberts, J. E. (2016). Verbal working memory and cortisol over time in boys with fragile X syndrome. *Brain and Cognition, 102*, 80-90. doi: 10.1016/j.bandc.2015.12.002
11. *+**Hahn, L. J.** (2016). Joint attention and early social developmental cascades in neurogenetic disorders. *International Research Review of Intellectual and Developmental Disabilities, 51*, 123-152. doi: 10.1016/bs.irrdd.2016.08.002
12. ***Hahn, L. J.**, Brady, N. C., Fleming, K., & Warren, S. F. (2016). Joint engagement and early language in young children with fragile X syndrome. *Journal of Speech, Language, and Hearing Research, 59*(5), 1087-1098. doi: 10.1044/2016_JSLHR-L-15-0005
13. *Loveall, S., Conners, F., Tungate, A., **Hahn, L. J.**, & Osso, T. (2017). A cross-sectional analysis of executive function in Down syndrome from 2 to 35 years. *Journal of Intellectual Disability Research, 61*(9), 877-887. doi: 10.1111/jir.12396
14. *Warren, S. F., Brady, N. C., Fleming, K., & **Hahn, L. J.** (2017). The longitudinal effect of parenting on adaptive behavior in children with fragile X syndrome. *Journal of Autism and Developmental Disorders, 47*, 768-784. doi: 10.1007/s10803-016-2999-7
15. ***Hahn, L. J.**, Brady, N. C., McCary, L., Rague, L., & Roberts, J. E. (2017). Social communication in infants with fragile X syndrome and infant siblings of children with autism. *Research in Developmental Disabilities, 41*, 169-180. doi: 10.1016/j.ridd.2017.10.004
16. *Will, E., Caravella, K., **Hahn, L. J.**, Fidler, D. J., & Roberts, J. E. (2018). Adaptive behavior trends in infants and toddlers with Down syndrome and fragile X syndrome. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 177*(3), 358-368. doi: 10.1002/ajmg.b.32619
17. *[^]**Hahn, L. J.**, Loveall, S. J., Savoy, M. T., Neumann, A. M., & Ikuta, T. (2018). Joint attention in Down syndrome: A meta-analysis. *Research in Developmental Disabilities, 78*, 89-102. doi: 10.1016/j.ridd.2018.03.013
18. *Channell, M. M., **Hahn, L. J.**, Rosser, T., Strang, J., Capone, G., ... & the Down Syndrome Cognition Project. (2019). Characteristics associated with autism spectrum disorder risk in individuals with Down syndrome. *Journal of Autism and Developmental Disorders, 49*(9), 3543-3556. doi: 10.1007/s10803-019-04074-1
19. *[^]**Hahn, L. J.**, Brady, N. C. & Versaci, T. (2019). Communicative use of triadic eye gaze in children with Down syndrome, autism spectrum disorder, and other intellectual and developmental disabilities. *American Journal of Speech-Language Pathology, 28*, 1509-1522. doi: 10.1044/2019_AJSLP-18-0155
20. ***Hahn, L. J.**, Hamrick, L., Keller, B., & Roberts, J. E. (2020). Autism spectrum disorder-associated behavior in infants with Down syndrome. *Journal of Health Science & Education, 4*(2), 1-6. doi: 10.0000/JHSE.1000180
21. *[^]Versaci, T. M., **Mattie, L. J.**, & Imming, L. J. (2020). Down syndrome and autism spectrum disorder dual diagnosis: Important considerations for speech-language pathologists. *American Journal of Speech-Language Pathology, 30*, 34-46. doi: 10.1044/2020_AJSLP-20-00050.
22. *Hendrix, J. A., Amon, A., Abbeduto, L., Agiovlaitis, S., Alsaied, T., Anderson, H. A., Bain, L., J., Baumer, N., Bhattacharyya, A., Bogunovic, D., Botteron, K., Capone, C., Chandan, P., Chase, I., Chicoine, B., Ciuta-Walti, C., DeRuisseau, L. R., Durand, S., Esbensen, A., ... Yi, J. S. (2020). Opportunities, barriers, and recommendations in Down syndrome research. *Translational Science of Rare Diseases, 5*, 99–129. doi: 10.3233/TRD-200090
23. *Channell, M. M.,¹ **Mattie, L. J.**,¹ Hamilton, D. R., Capone, G. T., Mahone, M., Sherman, S. L., Rosser, T. C., Reeves, R. H., & Kalb, L. G. (2021). Capturing cognitive and behavioral variability among individuals with Down syndrome: A latent profile analysis. *Journal of Neurodevelopmental Disorders, 13*, 1-14. doi: 10.1186/s11689-021-09365-2

¹ Co- first authors

24. *+**Mattie, L. J.**, (2021). Translational research and clinical implications regarding communication outcomes in neurogenetic disorders. *Seminars in Speech and Language*, 42(4), 275-276. doi: 10.1055/s-0041-1730986
25. *+**Mattie, L. J.**, & Hadley, P. L. (2021). Characterizing the richness of maternal input for word learning in neurogenetic disorders. *Seminars in Speech & Language*, 42(4), 301-317. doi: 10.1055/s-0041-1730914
26. *Moser, C., **Mattie, L. J.**, Abbeduto, L., & Klusek, J. (2021). The FMR1 premutation phenotype and mother-child synchrony in fragile X syndrome. *American Journal on Intellectual and Developmental Disabilities*, 26(4), 443-446. doi: 10.1352/1944-7558-126.6.443
27. ***Mattie, L. J.** & Hamrick, L. R. (accepted). Early communication development in infants and toddlers with fragile X syndrome.
28. *Vidal, V., Wachholtz, D, **Mattie, L. J.**, DeThorne, L. S. (under review). "It takes a community:" How environmental systems construct in/competence in autistic peer interactions.

G. Creative Works (Exhibitions, Commissions, Competitions, Performances, Designs, Art or Architecture Executed)

Not Applicable

H. Patents

None

I. Bulletins, Reports, or Conference Proceedings (in print or accepted)

None

J. Abstracts (in print or accepted)

None

K. Book Reviews (in print or accepted)

None

L. Refereed Conference Papers and Presentations

1. Hagan, L., **Hahn, L.**, & Lambert, R. (2006, April). *Having a mentor is not enough: Positive outcomes for mentored youth hinge upon the strength of the relationship with the mentor*. Poster presented at the Conference on Human Development, Louisville, Kentucky.
2. Hagan, L., Lambert, R. & **Hahn, L.** (2006, April). *Ebony and ivory: The impact of cross-race matching on outcomes for mentored youth*. Poster presented at the Conference on Human Development, Louisville, Kentucky.
3. **Hahn, L. J.**, Youngblade, L., M., & Graber, J., A. (2010, March). *The relationship between weight perception, mood, and weight-related behavior in emerging adults*. Poster presented at the Society for Research on Adolescence, Philadelphia, Pennsylvania.
4. **Hahn, L. J.**, Fidler, D. J., & Hepburn, S. L. (2011, March). *The understanding of intentionality in young children with Williams syndrome: A pilot study*. Poster presented at the 44th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Antonio, Texas.
5. **Hahn, L. J.**, Fidler, D. J., & Hepburn, S. L. (2012, March). *Adaptive behavior in young children with Williams syndrome*. Poster presented at the 45th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, Annapolis, Maryland.
6. Brady, N., Warren, S., **Hahn, L. J.**, & Keller, J. (2013, March). *Aggressive behavior in children with fragile X syndrome*. Poster presented at the 46th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Antonio, Texas.

7. **Hahn, L. J.**, Brady, N., Warren, S., & Fleming, K. (2013, March). *Do children with fragile X syndrome decline in adaptive behavior?*. Poster presented at the 46th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Antonio, Texas.
8. **Hahn, L. J.**, Hepburn, S. L., & Fidler, D. J. (2013, March). *Early social cognitive skills and the understanding of intentionality in young children with Down syndrome*. Paper presented at the 46th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Antonio, Texas.
9. **Hahn, L. J.**, Brady, N., Warren, S. F., & Fleming, K. (2014, March). *Joint attention as a predictor of language ability in young children with fragile X syndrome*. Poster presented at the 47th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, Chicago, Illinois.
10. **Hahn, L. J.**, Fidler, D. J., Most, D., & Daunhauer, L. (2014, March). *Developmental trajectories of pre-academics and self-directedness in preschoolers with Down syndrome*. Paper presented at the 47th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, Chicago, Illinois.
11. Warren, S. F., Brady, N. C., **Hahn, L. J.**, Fleming, K., & Siwnburne Romine, R. E. (2014, March). *Are there three distinct fragile X phenotypes?*. Poster presented at the 47th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, Chicago, Illinois.
12. Warren, S. F., Brady, N. C., Keller, J., **Hahn, L. J.**, Fleming, K. (2014, July) *The relationship of early parenting to later behavior problems in children with FXS*. Paper presented at the 14th International Fragile X Conference, Orange County, California.
13. **Hahn, L. J.**, Brady, N. C., McCary, L., Rague, L., & Roberts, J.E. (2015, April). *Early social communication in infants with fragile x syndrome, infant siblings of children with autism, and typically developing infants*. Poster presented at the 48th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, New Orleans, Louisiana.
14. **Hahn, L. J.**, Scherr, J. F., Tonnsen, B., Roberts, J.E. (2015, April). *Social anxiety and attention modulation in boys with fragile X syndrome*. Paper presented at the 48th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, New Orleans, Louisiana.
15. McGrath, S., **Hahn, L. J.**, & Roberts, J.E. (2015, April). *Cortisol trajectories from infancy through early childhood in children with fragile X Syndrome, typical development, and a subsample of with autism spectrum disorders*. Poster presented at the 48th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, New Orleans, Louisiana.
16. Reisinger, D., Brewe, A., Scherr, J., **Hahn, L.**, & Roberts, J.E. (2015, April). *Early visual attention and autism symptomology in infants at high risk for autism spectrum disorders*. Poster presented at the 48th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, New Orleans, Louisiana.
17. Roberts, J. E., Tonnsen, B. L., Guy, M., **Hahn, L.**, & Richards, J. E. (2015, April). *Biobehavioral correlates of autism spectrum disorder in infants with fragile X syndrome*. Paper presented at the 48th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, New Orleans, Louisiana.
18. Scherr, J. F., **Hahn, L. J.**, Reisinger, D., & Roberts, J.E. (2015, April). *Emergence of anxiety in preschoolers with idiopathic autism spectrum disorder*. Poster presented at the 48th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, New Orleans, Louisiana.
19. Schworer, E., Klusek, J., **Hahn, L. J.**, Schmidt, J., & Roberts, J. E. (2015, April). *Anxiety and eye gaze in males with fragile X*. Poster presented at the 48th Annual Gatlinburg Conference on Research in Developmental Disabilities, New Orleans, Louisiana.
20. Tungate, A., Loveall, S., Conners, F., **Hahn, L. J.**, & Alvis, L. (2015, April). *Executive functioning in Down syndrome from 6 to 18 years*. Poster presented at the 48th Annual Gatlinburg Conference on Research in Developmental Disabilities, New Orleans, Louisiana.
21. Warren, S. F., Brady, N. C., Fleming, K., & **Hahn, L. J.** (2015, April). *The effects of sustained parenting on adaptive and problem behavior in children with fragile X syndrome in middle*

- childhood*. Poster presented at the 48th Annual Gatlinburg Conference on Research in Developmental Disabilities, New Orleans, Louisiana.
22. Roberts, J., Tonnsen, B., **Hahn, L.**, & Rague, L. (2015, September). *Emergence and stability of autism in infants with the premutation*. Paper presented at the 2nd International Conference on FMR1 Premutation: Basic Mechanisms and Clinical Involvement, Stiges, Barcelona, Spain.
 23. **Hahn, L. J.**, Brady, N. C., Daly, M. (2015, November). *Triadic eye-gaze in young children with Down syndrome*. Poster presented at the 2015 Annual American Speech-Language-Hearing Association Convention, Denver, Colorado.
 24. **Hahn, L. J.**, Scherr, J. F., & Roberts, J. E. (2016, March). *Early communication in very young children with Down syndrome, fragile X syndrome, and typical development*. Poster presented at the 49th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, California.
 25. **Hahn, L. J.** & Roberts, J. E. (2017, March). *Early Risk of Autism Spectrum Disorders in Infants with Down Syndrome*. Poster presented at the 50th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Antonio, Texas.
 26. **Hahn, L. J.**, Rague, L., & Roberts, J. E. (2017, June). *Trajectories of early communication in fragile X syndrome from infancy to toddlerhood*. Poster presented at 2017 Symposium for Research on Child Language Disorders, Madison, Wisconsin.
 27. Savoy, M., Neumann, A., Loveall, S., Ikuta, T., & **Hahn, L.** (2017, March). *Meta-analysis of joint attention in Down syndrome*. Poster presented at the 2017 Annual Mississippi Speech-Language-Hearing Association Continuing Education Conference, Natchez, Mississippi.
 28. **Hahn, L. J.**, Loveall, S., Neumann, A., Savoy, M., & Ikuta, T. (2017, November). *Joint attention in Down syndrome: A meta-analysis*. Poster presented at the 2017 Annual American Speech-Language-Hearing Association Convention, Los Angeles, California.
 29. Boni, C., **Hahn, L. J.**, Channel, M. M. (2018, April). *Measuring social competence in school-age children with Down syndrome*. Poster presented at the 51st Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, California.
 30. Channell, M. M., **Hahn, L. J.**, Rosser, T., Frank-Crawford, M. A., Capone, G., Sherman, S. & the Down Syndrome Cognition Project. (2018, April). *Characteristics associated with autism spectrum disorder risk in individuals with Down syndrome*. Poster presented at the 51st Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, California.
 31. Boni, C., Spera, J., & **Hahn, L. J.** (2018, October). *Relationship between early communication and ASD risk in infants with Down syndrome*. Poster presented at the Purdue Autism Conference, Lafayette, Indiana.
 32. Kirk, K., McNeil, M., Hammer, C., & **Hahn, L. J.** (2018, November). *Thinking about a Ph.D.? Information session for prospective doctoral students*. Seminar presented at the 2018 Annual American Speech-Language-Hearing Association Convention, Boston, Massachusetts.
 33. Bredin-Oja, S., Warren, S. F., **Hahn, L. J.**, & Brady, N. (2019, April). *Review of Communication and Language Interventions for Children with Down Syndrome*. Paper presented at the 52nd Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Antonio, Texas.
 34. Channell, M. M., **Hahn, L. J.**, & Boni, C. (2019, April). *Executive functioning and autism spectrum disorder behaviors in school-age children with Down syndrome*. Poster presented at the 52nd Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Antonio, Texas.
 35. **Hahn, L. J.** (2019, April). *Trajectories of Early Communication in Infants and Toddlers with Down Syndrome*. Paper presented at the 52nd Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Antonio, Texas.
 36. Dulin, M. S., Loveall, S. J., & **Hahn, L. J.** (2019, November). *Home-literacy environments, shared-book reading, & language development in Down syndrome*. Poster presented at the 2019 Annual American Speech-Language-Hearing Association Convention, Orlando, Florida.

37. **Hahn, L. J.** (2019, November). *Receptive and expressive vocabulary growth in infants and toddlers with Down syndrome*. Poster presented at the 2019 Annual American Speech-Language-Hearing Association Convention, Orlando, Florida.
38. Miller, C. & **Hahn, L. J.** (2019, November). *Effects of speech-language therapy and language acquisition in infants and toddlers with Down syndrome*. Poster presented at the 2019 Annual American Speech-Language-Hearing Association Convention, Orlando, Florida.
39. Dulin, M. S., Loveall, S. J., **Hahn, L. J.**, & Imming, L. J. (2020, April). *Home-literacy environments and language development in infants and toddlers with Down syndrome*. Paper accepted for presentation at the 53rd Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, California (Conference Cancelled due to COVID-19).
40. Imming, L., J. & **Hahn, L. J.** (2020, April). *The impact of the early language environment on language development in toddlers with Down syndrome*. Poster accepted for presentation at the 53rd Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, California (Conference Cancelled due to COVID-19).
41. Moser, C., **Hahn, L. J.**, & Klusek, J. (2020, April). *The impact of the FMRI premutation phenotype on mother-child synchrony in fragile X syndrome*. Poster accepted for presentation at the 53rd Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, California (Conference Cancelled due to COVID-19).
42. **Mattie, L. J.**, Loveall, S. J., Channell, M. M. (2021, March). *Adaptive functioning versus cognitive scores in young children with Down syndrome*. Poster presented at the Down Syndrome Research Form, Manchester, England, Virtual Conference.
43. **Mattie, L. J.** & Fanta Alarcon, D. (2021, April). *Joint engagement and early language in toddlers with Down syndrome*. Paper presented at the 54th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, Virtual Conference.
44. Loveall, S. J., Dulin, M. S., & **Mattie, L. J.** (2021, April). *Home-literacy environments, shared book reading, and receptive vocabulary development in infants and toddlers with Down syndrome*. Paper presented at the 54th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, Virtual Conference.
45. Fanta, D. & **Mattie, L. J.** (2021, November). *Joint engagement as a support for early language development for toddlers with Down syndrome*. Paper presented at the III Congreso De Fonoaudiólogos Investigadores (Congress of Research Speech Therapists), Santiago, Chile, Virtual Conference.
46. Fanta, D. & **Mattie, L. J.** (2021, November). *Early communication development in toddlers with Down syndrome*. Poster presented at the 2021 Annual American Speech-Language-Hearing Association Convention, Washington, D.C.

M. Other

Non-Refereed Presentations

1. **Hahn, L. J.**, Brady, N., Warren, S. F., & Fleming, K. (2014, April). *Joint attention as a predictor of language ability in young children with fragile X syndrome*. Poster presented at the 2nd Annual KU Postdoctoral Research Day, Lawrence, Kansas.
2. **Hahn, L. J.**, Abbeduto, L., Anderson, H., Kent, R., & Warren, S. F. (2020, April). *Speech, language, hearing & vision in Down syndrome*. Working group recommendations presented at the National Down Syndrome Society & Lumind IDSC meeting on Project 2030: NIH Down Syndrome Research Plan Recommendations.

Invited Seminar Presentations (University of Illinois and Other Institutions)

1. **Hahn, L. J.** (2016, May). *Characterizing early development in neurogenetic disorders*. Proseminar, Department of Special Education, University of Illinois at Urbana-Champaign.
2. **Hahn, L. J.**, Scherr, J. F., Tonnsen, B., Roberts, J.E. (2015, April). *Social anxiety and attention modulation in boys with fragile X syndrome*. Hard Data Café, University of South Carolina, Columbia, South Carolina.

3. **Hahn, L. J.** (2018, October). *Characterizing early communication in Down syndrome and fragile X syndrome*. HDFS Colloquium Series, Department of Human Development and Family Studies, University of Illinois at Urbana-Champaign, Urbana, Illinois.

III. RESIDENT INSTRUCTION

A. Summary of Instruction

1. Courses Taught

Course Number	Course Name	Term
SHS 333 (383-ND; 390-ND)	Children with Neurodevelopmental Disorders Across Communication Context	Fall 2015, 2016, 2017, 2018, 2019, 2020, 2021
SHS 385 (390-EBP)	Evidence-based Practice in Communication Sciences & Disorders	Spring 2016, 2017, 2018
SHS 473	Alternative & Augmentative Communication	Spring 2018, 2019, 2020, 2021, 2022
SHS 593-DT	Developmental Theory	Fall 2016
SHS 574 (SHS 593-ASD)	Communication in Individuals with Autism Spectrum Disorders	Spring 2019, 2020, Fall 2020, 2021

2. Supervision of Graduate Student Research

2a. Ph.D. Student Research, Committee Member

Ph.D. Early Research Project

- Barrera, M. (2020). *Exploring associations between children's play level and caregivers' linguistic input in Hispanic caregiver-child dyads*. Department of Speech and Hearing Science, University of Illinois at Urbana-Champaign.
- Lydon, E. (2020). *Age-related changes in cued task switching: An ERSP study*. Department of Speech and Hearing Science, University of Illinois at Urbana-Champaign.
- Bosley, B. (2021-). *Interactional and conceptual analysis of maternal input to school-age children with Down syndrome during a wordless storybook interaction*. Department of Speech and Hearing Science, University of Illinois at Urbana-Champaign.
- Harrington, E. (2021-). *Investigating the feasibility of a sequential language strategy for early word learning*. Department of Speech and Hearing Science, University of Illinois at Urbana-Champaign.

Ph.D. Qualifying Exam

- Tendera, A. (2017). *Relationship between susceptibility to delayed auditory feedback and variation in verbal working memory*. Department of Speech and Hearing Science, University of Illinois at Urbana-Champaign. Now at Holland Bloorview Kid's Rehabilitation Hospital, University of Toronto, Toronto, Ontario, Canada.

Ph.D. Dissertation

- Vidal, V. (2018). *Getting in sync: Exploring and supporting peer interaction in an autistic child with inconsistent access to speech*. Department of Speech and Hearing Science, University of Illinois at Urbana-Champaign. IDEALS, <http://hdl.handle.net/2142/101506>. Now at Los Andes University, Bogotá, Colombia.

2b. Doctor of Audiology Student Research, Capstone Committee Member

Smith, H. (2021). *Language and auditory exposure and their effect on auditory brainstem responses*. Department of Speech and Hearing Science, University of Illinois at Urbana-Champaign.

Flores, M. (in progress). *Access to speech during development: A comparison of full-term vs. preterm infants*. Department of Speech and Hearing Science, University of Illinois at Urbana-Champaign

2c. Graduate Student Research, Master's Thesis Committee Member

Dulin, M. (2020). *The home-literacy environment, shared storybook reading, and pre-linguistic development in young children with Down syndrome*. Department of Communication Sciences and Disorders, University of Mississippi.

Preza, T. (2020). *The role of interactive, linguistic, and conceptual parent input on the development of children's simple sentences*. Department of Speech and Hearing Science, University of Illinois at Urbana-Champaign.

2d. Graduate Student Research, Supervisor

Neumann, A. (2016-2017). *Joint attention in Down syndrome: A meta-analysis* [published, Hahn et al., 2018]. Department of Speech and Hearing Science, University of Illinois at Urbana-Champaign.

Versaci, T. (2018, Spring). *Down syndrome and autism spectrum disorder dual diagnosis: Information for clinicians* [published, Versaci et al., 2020]. Department of Speech and Hearing Science, University of Illinois at Urbana-Champaign.

2e. Graduate Student Advising Committee, Chair

Boni, C. 2017-2018. Department of Speech and Hearing Science, University of Illinois at Urbana-Champaign.

Imming, L., 2019-2020. Department of Speech and Hearing Science, University of Illinois at Urbana-Champaign.

Fanta, D. 2020-present. Department of Speech and Hearing Science, University of Illinois at Urbana-Champaign.

2f. Graduate Student Advising Committee, Committee Member

Bosley, B. 2020-present. Department of Speech and Hearing Science, University of Illinois at Urbana-Champaign.

Harrington, E. 2020-present. Department of Speech and Hearing Science, University of Illinois at Urbana-Champaign.

Barkheimer, A. 2021-present. Department of Speech and Hearing Science, University of Illinois at Urbana-Champaign.

3. Supervision of Undergraduate Students

3a. Undergraduate Thesis, Advisor

Kurtenbach, C. (2018). *Association between early communication and ASD risk in infants with Down syndrome*. Department of Speech and Hearing Science, University of Illinois at Urbana-Champaign.

Kolmodin, T. (2019). *Maternal responsivity in infants and toddlers with Down syndrome*. Department of Speech and Hearing Science, University of Illinois at Urbana-Champaign.

3b. Undergraduate Student Research Presentations, Mentor

Morgart, A. P., **Hahn, L. J.**, & Brady, N. C. (2013, April). *Gender and maternal responsivity as factors in number of conversation turns in adolescents with developmental disabilities: A pilot study*.

Poster presented at the University of Kansas Undergraduate Research Conference, Lawrence, Kansas.

Kurtenbach, C., & **Hahn, L. J.** (2017, April). *Maternal parenting stress and cardiac autonomic regulation in infants with Down syndrome*. Poster presented at the University of Illinois at Urbana-Champaign Undergraduate Research Symposium, Urbana, Illinois.

Kurtenbach, C., & **Hahn, L. J.** (2018, April). *Association between autism spectrum disorder risk and early language in infants with Down syndrome*. Poster presented at the University of Illinois at Urbana-Champaign Undergraduate Research Symposium, Urbana, Illinois.

Kolmodin, T., & **Hahn, L. J.** (2019, April). *The effect of maternal responsivity on early language development in children with Down syndrome*. Poster presented at the University of Illinois at Urbana-Champaign Undergraduate Research Symposium, Urbana, Illinois.

Miller, C., & **Hahn, L. J.** (2019, April). *Effects of speech therapy and language acquisition in infants with Down syndrome*. Poster presented at the University of Illinois at Urbana-Champaign Undergraduate Research Symposium, Urbana, Illinois.

3c. Undergraduate Student Research, Supervisor

Kurtenbach, C. (2016-2017). *Maternal parenting stress and cardiac autonomic regulation in infants with Down syndrome* [James Scholar Honors project]. Department of Speech and Hearing Science, University of Illinois at Urbana-Champaign.

4. Other Contributions to Instructional Programs

4a. Contributions to Speech and Hearing Science

- SHS 592 Speech and Hearing Professional Seminar, Guest Lecture, *Neurodevelopmental disorders from infancy through adolescence*. Fall 2015
- SHS 431 Preschool Language Disorders, Guest Lecture, *Social profiles and mother's role in early language development: DS, FXS, ASD*. Fall 2017, Fall 2018
- SHS 533 Advanced Language Diagnostics, Guest Lecture, *Assessing pre-linguistic communication*. Fall 2017, Spring 2019, Spring 2020
- SHS 533 Advanced Language Diagnostics, Panel Member, *Special challenges in assessment*. Spring 2018
- SHS 191 Orientation for SHS Majors, Panel Member, *Meeting SHS Faculty*. Fall 2019, Spring 2020, Spring 2022
- SHS 592 Speech and Hearing Professional Seminar, Guest Lecture, *Impact of child and maternal gestures on word learning in fragile X syndrome*, Spring 2022
- Served as the academic advisor for 21 students in the M.A. program that prepares speech-language pathologists.

4b. Contributions Across Campus

- The Autism Program, Guest Lecture, *Building a career in neurodevelopmental disorders*. Spring 2016
- PSYCH 546 Assessment of ASD Seminar, Guest Lecture, *ASD comorbidity in neurogenetic disorders*. One lecture in each of the following semesters: Spring 2016, Fall 2016, Fall 2017
- SPED 461 Augmentative Communication, Guest Lecture, *Developmental and language profiles of children with IDD*. One lecture in each of the following semesters: Fall 2016, Fall 2017

4c. Undergraduate James Scholar Course Contracts

(supervision of extra coursework for students to earn college honors in the course)

Course Number	Course Title	Dates Supervised	Number
SHS 390-ND	Children with Neurodevelopmental Disorders Across Communication Contexts	Fall 2015	3

SHS 390-EBP	Evidence-based Practice in Communication Sciences and Disorders	Spring 2016	2
SHS 383-ND	Children with Neurodevelopmental Disorders Across Communication Contexts	Fall 2016	3
SHS 385	Evidence-based Practice in Communication Sciences and Disorders	Spring 2017	3
SHS 383-ND	Children with Neurodevelopmental Disorders Across Communication Contexts	Fall 2017	4
SHS 385	Evidence-based Practice in Communication Sciences and Disorders	Spring 2018	1
SHS 383-ND	Children with Neurodevelopmental Disorders Across Communication Contexts	Fall 2018	12
SHS 473	Augmentative and Alternative Communication	Spring 2019	5
SHS 333	Children with Neurodevelopmental Disorders Across Communication Contexts	Fall 2019	2
SHS 473	Augmentative and Alternative Communication	Spring 2020	2
SHS 333	Children with Neurodevelopmental Disorders Across Communication Contexts	Fall 2020	7
SHS 473	Augmentative and Alternative Communication	Spring 2021	4
SHS 333	Children with Neurodevelopmental Disorders Across Communication Contexts	Fall 2021	7
SHS 473	Augmentative and Alternative Communication	Spring 2022	6

4d. List of Teachers Ranked as Excellent by Their Students
(based on ICES evaluation scores)

- SHS 333/383 (undergraduate elective): Fall 2016, Fall 2017, Fall 2018, Fall 2019, Fall 2021
- SHS 473 (undergraduate core requirement for Speech-Language Pathology track; M.A. elective): Spring 2018, Spring 2019 (ranked an “Outstanding Teacher” by the students); Spring 2020 (ranked an “Outstanding Teacher” by the students); Spring 2021
- SHS 593-ASD (M.A. elective): Spring 2019 (ranked an “Outstanding Teacher” by the students); Spring 2020 (ranked an “Outstanding Teacher” by the students)

IV. SERVICE (PUBLIC, PROFESSIONAL/DISCIPLINARY, AND UNIVERSITY)

A. Summary of Service

1. Public Engagement

1a. Community Service

2016–2017	Logistics Committee Chair for the Signature Chef Auction, March of Dimes Champaign-Urbana, Champaign, Illinois
2019–present	Board member, National Down Syndrome Society Science and Clinical Advisory Board
2020	Working Group Leader; Speech, Language, Hearing, and Vision Working Group for the NIH Down Syndrome Research Plan; National Down Syndrome Society

1b. Community Talks

- Supporting Individuals with Down syndrome and their Families through Research.* (2017, March). Dads Appreciating Down Syndrome (D.A.D.S.), Indianapolis, Indiana.
- Characterizing Development in Down syndrome: From Infancy to Adolescence.* (2017, April). Down Syndrome Indiana’s Research Day, Indianapolis, Indiana.
- Characterizing Development in Down syndrome: From Infancy to Adolescence.* (2017, May). Illinois Coalition on Down Syndrome, Easter Seals DuPage & Fox Valley, Villa Park, Illinois.

Autism Spectrum Disorder. (2018, November). A Dialogue on Disability, College of Applied Health Sciences, University of Illinois at Urbana-Champaign.

Early Communication and Social Abilities in Young Children with Down Syndrome: Implications for Interventions (2018, November). Down Syndrome of Louisville's Research Day, Louisville, Kentucky.

2. Service to Disciplinary and Professional Societies or Associations

2a. Ad Hoc Journal Reviewer

American Journal of Intellectual and Developmental Disabilities, American Journal of Speech-Language Pathology, Autism & Developmental Language Impairments, Autism Research, Brain Sciences, Developmental Neurorehabilitation, Early Childhood Research Quarterly, Frontiers in Psychology, International Journal of Developmental Disabilities, International Journal of Language & Communication Disorders, International Review of Research in Intellectual Disabilities, Journal of Autism and Developmental Disabilities, Journal of Communication Disorders, Journal of Early Intervention, Journal of Family Issues, Journal of Intellectual & Developmental Disability, Journal of Intellectual Disability Research, Journal of Speech, Language, and Hearing Research, Orphanet Journal of Rare Diseases, Research in Developmental Disabilities

2b. Other Service to the Field

2016–2018 Faculty Advisor, National Student Speech-Language-Hearing Association, University of Illinois at Urbana-Champaign Chapter
 2017–2021 Faculty Co-Advisor, Best Buddies, University of Illinois at Urbana-Champaign Chapter
 2018–present ASH Foundation University Giving Ambassador, University of Illinois at Urbana-Champaign
 2019 ASHA Progeny Mentor, 2019 Annual American Speech-Language-Hearing Association Convention, Orlando, Florida
 2021-present American Journal of Speech-Language Pathology Editorial Board Member

2c. Membership in Professional Organizations

2016–present American Speech-Language-Hearing Association, Member
 2018–present T21 Research Society, Member

3. University/Campus Service

3a. College of Applied Health Sciences

2015–2017 Elections and Credentials Committee (elected)
 2016–2018 Grievance Committee (elected)
 2018–2020 Education Policy Committee (elected)
 2021–present Executive Committee (elected)
 2021–present Search Committee Member, Assistant Dean for Marketing and Communications

3b. Department of Speech and Hearing Science

2016–2017 Search Committee Chair, Clinical Assistant/Associate Professor & Director of Clinical Education
 2016–2019 Admissions Committee
 2017–2018 Awards Committee
 2018 SHS Graduate Student Welcome Picnic Co-Coordinator
 2018–2019 Faculty Advisory Committee (elected)
 2018–2019 Search Committee Chair, Business/Administration Associate
 2019–2021 Awards Committee
 2019–2020 Education Policy Committee

2019–2020	Search Committee Member, Assistant or Associate Professor in Speech-Language Pathology
2020	Search Committee Member, Visiting Assistant Professor in Early Childhood Language Disorders
2020–2021	Education Policy Committee, Co-Chair
2021–present	Faculty Mentor, Clinical Assistant Professor
2021–present	Education Policy Committee, Chair
2022–presnt	Search Committee Chair, Clinical Assistant Professor in Speech-Language Pathology

3c. Other Departments on Campus

2019	Search Committee Member, Visiting Project Research Coordinator, College of Education, Department of Special Education
2021	Search Committee Member, Assistant Professor of Significant Disabilities, College of Education, Department of Special Education