

# ELIZABETH WILL, PhD, BCBA

*Department of Communication Sciences & Disorders  
University of South Carolina  
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Updated: June, 2023*

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## EDUCATION

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- 2017-2021 *NIH NRSA Postdoctoral Research Fellow*, Psychology, University of South Carolina  
Neurodevelopmental Disabilities Lab
- 2012-2017 *Ph.D.*, Applied Developmental Science, Colorado State University  
Focus: Human Development & Family Studies
- 2009-2011 *M.Ed.*, Vanderbilt University  
Focus: Child Psychology & Human Development; Board Certified Behavior Analysis  
Accreditation Program
- 2003-2007 *B.S.*, Psychology, Appalachian State University (Cum Laude)

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## PROFESSIONAL EXPERIENCE

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### University of South Carolina

- 2023-present *Assistant Professor*, Department of Communication Sciences & Disorders
- 2021-2023 *Research Assistant Professor*, Department of Psychology
- 2017-2021 *NIH NRSA (F32) Postdoctoral Fellow*, Psychology (Mentor: Jane Roberts)
- 2021-present *Faculty Affiliate*, School Psychology Program, Department of Psychology
- 2017-present *Faculty Affiliate*, Institute for Mind and Brain

### Colorado State University

- 2014-2017 *Editorial Assistant*, American Journal on Intellectual & Developmental Disabilities
- 2012-2017 *Graduate Research Assistant*, Human Development & Family Studies, Developmental  
Disabilities Research Lab (PIs: Debbie Fidler & Lisa Daunhauer)

### Vanderbilt University

- 2011-2012 *Project Coordinator*, Psychology & Human Development, Project Getting Along  
(PI: David Cole)
- 2010-2012 *Research Associate*, Hearing & Speech Sciences/Psychology & Human Development,  
Developmental Stuttering Project (PIs: Tedra Walden & Ed Conture)
- 2009-2010 *Research Assistant*, Department of Special Education, Pyramid Model Project  
(PI: Mary Louise Hemmeter)

### Clinical Experience

- 2011-2012 *Board Certified Behavior Analyst (BCBA)*, Autism Foundation of Tennessee

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## LICENSURE & CERTIFICATION

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2011-present Board-Certified Behavior Analyst, Behavior Analyst Certification Board, #1-11-9453

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## AWARDS, FELLOWSHIPS, & HONORS

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2022 – 2024 *Awardee*, NIH Loan Repayment Program Renewal Award, NICHD  
2021 – 2022 *Awardee*, Ann Johnson Institute for Science Technology & Society Magellan Faculty Fellow, University of South Carolina  
2020 – 2022 *Awardee*, NIH Loan Repayment Program Renewal Award, NICHD  
2019 – 2021 *Fellow*, NIH Ruth L. Kirschstein F32 National Research Service Award (NRSA), NICHD  
2018 – 2020 *Awardee*, NIH Loan Repayment Program Award, NIMH  
2018 *Awardee*, International Society for Autism Research Annual Meeting Travel Award  
2017 *Awardee*, Outstanding Graduate Student Award, College of Health and Human Sciences, Colorado State University  
2016 – 2017 *Awardee*, Prudence M. Kaley Scholarship – College of Health and Human Sciences, Colorado State University  
2016 *Awardee*, APA Division 33 Graduate Student Award – Gatlinburg Conference  
2015 – 2016 *Awardee*, Pearle E. Betts Graduate Scholarship– College of Health and Human Sciences, Colorado State University  
2012 *Fellow*, University Fellowship, Colorado State University  
2010 – 2011 *Fellow*, Full Tuition Fellowship, Peabody College, Vanderbilt University  
2009 *Fellow*, Dean’s Fellowship, Peabody College, Vanderbilt University  
2007 *Cum Laude*, Appalachian State University

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## RESEARCH SUPPORT

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### *CURRENT RESEARCH SUPPORT*

**Early Developmental Determinants and Pathways in Down Syndrome** \$1,038,075  
1K99HD105980-01, NICHD 2021 – 2026

This project will characterize the developmental dynamics between early phenotypic impairments in motor and attention in infants with Down syndrome and examine their mutual or distinct role in social communication and cognitive outcomes using a multimethod biobehavioral approach.

Role: PI

**A Longitudinal Outcome Study of the Symptom Progression and Diagnostic Stability of Autism in Children with Down syndrome** \$48,235  
Unnumbered Award LeJeune Foundation Research Grant 2022 - 2024

This project is a longitudinal follow up study on a cohort of children with Down syndrome seen at 12, 24, and 36-months old to determine the long-term progression of autism features across early childhood.

Role: PI

**Autonomic Function in Fragile X Syndrome** \$3,156,914  
1R01HD106652 (PI: Roberts) 2022 – 2027  
This project will assess the role of autonomic dysfunction in atypical sensory processing in Fragile X and associated conditions.  
Role: Co-Investigator

**Potential Effects of Congenital Heart Defects in Down Syndrome:  
The Impact on Physiological Attention** \$1,000  
University of South Carolina – Magellan Scholar Mini Award (PI: Whitener) 2022 – 2023  
Role: Faculty Mentor

**The Impact on Behavioral Attention Over Development** \$1,000  
University of South Carolina – Magellan Journey Award (PI: Gart) 2023  
Role: Faculty Mentor

**The Role of Repetitive Behaviors in Differential Diagnosis in Down Syndrome** \$1,500  
University of South Carolina – South Carolina Honors College Research Award (PI: de Arellano) 2023  
Role: Faculty Mentor

**Variation in the Development of Communication in  
Down Syndrome and Fragile X Syndrome** \$950  
University of South Carolina – Magellan Apprentice Award (PI: Holden) 2023  
Role: Faculty Mentor

### ***PENDING RESEARCH SUPPORT***

**Defining the Nature and Developmental Consequences of  
Hearing Loss in Down Syndrome** \$3,714,328 Total Requested Costs  
NIH/NIDCD 1R01DC021660-01. (PI: Will) 2024 – 2029  
This project aims to characterize the hearing impairment profile and associated consequences for motor and communication development across infancy and toddlerhood in Down syndrome.  
Role: PI

### ***COMPLETED RESEARCH SUPPORT***

**Early Features of Autism in Down syndrome** \$194,058  
NICHD F32HD097877-03 1/1/2019 – 8/31/2021  
This project focused on characterizing mechanisms and features of co-occurring autism in a high-risk genetic group – Down syndrome relative to other genetic (fragile X syndrome) and familial (infant siblings) groups at high-risk for autism.  
Role: PI

**R01 Administrative Supplement: NIH INCLUDE Project on Down syndrome** \$320,813  
NIMH (PI: Roberts) 2018 – 2022 (NCE)  
This project will add a cohort of infants and preschoolers with Down syndrome to investigate early autism symptoms.  
Role: Co-I

<b>Emergence, Stability, and Predictors of Anxiety in Fragile X syndrome</b>	\$3,207,273
R01MH107573 (PI: Roberts)	2016 – 2021
This project will characterize the emergence of comorbid anxiety in fragile X syndrome contrasted to idiopathic autism spectrum disorder. It will also identify early predictors of anxiety outcomes in later preschool.	
Role: Consultant	
<b>Emergence and Stability of Autism in Fragile X Syndrome</b>	\$3,212, 400
R01MH90194 (PI: Roberts)	2016 – 2022 (NCE)
This project will characterize the emergence of autism features in children with fragile X syndrome and the stability of symptom progression throughout the preschool period.	
Role: Consultant	
<b>Correlates of Joint Attention and Language Across Infants with Down syndrome or Fragile X syndrome</b>	\$2,750
University of South Carolina – Magellan Scholar Award (PI: Robinson)	2021
Role: Faculty Mentor	
<b>The Development of Attention in Infants with Neurodevelopmental Disorders</b>	\$1,000
University of South Carolina – Magellan Galen Award (PI: Webb)	2021
Role: Faculty Mentor	
<b>Attentional Mechanisms in Infants with Neurodevelopmental Disorders</b>	\$2,500
University of South Carolina – Exploration Research Grant (PI: Robinson)	2019 – 2020
Role: Faculty Mentor	
<b>Physiological Mechanisms of Motor and Attention in Infants with Neurodevelopmental Disorders</b>	\$3,000
University of South Carolina – Magellan Scholar Award (PI: Webb)	2019 – 2020
Role: Faculty Mentor	
<b>Rate and predictors of inattention in children with fragile X syndrome</b>	\$3,000
University of South Carolina – Magellan Scholar Award (PI: Pressler)	2019 – 2020
Role: Faculty Mentor	
<b>Exploratory Reaching behaviors in Infants with Neurodevelopmental Disorders</b>	\$3,000
University of South Carolina – Exploration Award (PI: Webb)	2018 – 2019
Role: Faculty Mentor	

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## BIBLIOGRAPHY

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### *PEER-REVIEWED PUBLICATIONS* \* denotes student/mentee

1. Klusek, J., Will, E.A., Moser, C., Hills, K.J., Thurman, A.J., Abbeduto, L., & Roberts, J.E. (2023). Predictors, parental views, and concordance across diagnostic sources of Autism in males with fragile X syndrome: Clinical Best Estimate and community diagnoses. *Research on Child and Adolescent Psychopathology*, 1 – 16.

2. \*Hunt, E., Hogan, A., **Will, E.A.**, & Roberts, J. (2022). ADHD and ASD symptoms in young males with fragile X syndrome: Associations with early trajectories of inhibitory control. *Child Neuropsychology*, 1 – 27.
3. Zheng, S., Kaat, A., Farmer, C., Thurm, A., Burrows, C. A., Kanne, S., Georgiades, S., Esler, A., Lord, C., Takahashi, N., Nowell, K. P., **Will, E.**, Roberts, J., & Bishop, S. L. (2022). Bias in measurement of autism symptoms by spoken language level and non-verbal mental age in minimally verbal children with neurodevelopmental disorders. *Frontiers in Psychology*, 13. <https://doi.org/10.3389/fpsyg.2022.927847>
4. \*Ezell, J., Hogan, A., **Will, E.A.**, & Roberts, J.E. (2022). Cardiac Startle Response and Clinical Outcomes in Preschool Children with Fragile X Syndrome and Autism Spectrum Disorder. *Frontiers in Psychiatry: Child and Adolescent Psychiatry*, 2201.
5. **Will, E.A.**, & Roberts, J.E., (2021). Motor influences on Communication: Comparisons between Down syndrome and fragile X syndrome. *American Journal on Intellectual and Developmental Disabilities*, 126(6), 460 – 476. doi: 10.1352/1944-7558-126.6.460.  
†Selected monthly feature: American Association of Intellectual and Developmental Disabilities
6. **Will, E.A.**, Schworer, E., & Esbensen, A. (2021). The role of distinct executive functions on adaptive behavior in children and adolescents with Down syndrome. *Child Neuropsychology*, 1-19.  
†Selected for Continuing Education Credit by the American Academy of Clinical Neuropsychology
7. **Will, E. A.** (2021). Associated mechanisms of goal directed behavior in infants and young children with Down syndrome. *Advances in Neurodevelopmental Disorders*, 5(2), 218-226.
8. Fidler, D.J., Schworer, E., Needham, A.W., Prince, M.A., Patel, L., **Will., E.A.**, & Daunhauer, L.A. (2021). Developing a syndrome-informed micro-intervention for infants with Down syndrome: Issues, Methods, and Preliminary Findings. *Journal of Intellectual Disability Research*, 65(4), 320-339.
9. \*Smith, K., Hogan, A.L., **Will, E. A.**, & Roberts, J.E. (2021). Attention Bias and Prodromal Anxiety Symptoms in Toddlers with Fragile X Syndrome and Down Syndrome. *American Journal on Intellectual and Developmental Disabilities*, 126(2), 167-181.
10. Moscowwitz, L., **Will, E.A.**, Black, C.J., & Roberts, J.E., (2020). Trajectories of repetitive behaviors in fragile X syndrome: Sex and IQ effects. *Journal of Autism and Developmental Disorders*. <https://doi.org/10.1007/s10803-020-04459->
11. Roberts, J., Bradshaw, J., **Will, E.A.**, Hogan, A., McQuillin, S., & Hills, K. (2020). Emergence and rate of autism in fragile X syndrome across the first years of life. *Development and Psychopathology*, 32(4), 1335-1352. doi:10.1017/S0954579420000942
12. Daunhauer, L.A., **Will, E.A.**, Schworer, E., & Fidler, D.J. (2020) Young students with Down syndrome: Early longitudinal academic achievement and neuropsychological predictors. *Journal of Intellectual & Development Disability*, DOI: [10.3109/13668250.2020.1726016](https://doi.org/10.3109/13668250.2020.1726016)

13. **Will, E. A.**, Bishop, S. L., & Roberts, J. E. (2019). Developmental divergence: motor trajectories in children with fragile X syndrome with and without co-occurring autism. *Journal of Neurodevelopmental Disorders, 11*(1), 23.
14. \*Wall, C. A., Hogan, A. L., **Will, E. A.**, McQuillin, S., Kelleher, B. L., & Roberts, J. E. (2019). Early negative affect in males and females with fragile X syndrome: implications for anxiety and autism. *Journal of Neurodevelopmental Disorders, 11*(1), 22.
15. **Will, E.A.**, Daunhauer, L.A., & Fidler, D.J., Lee, N.R., Rosenberg, C., & Hepburn, S. (2019). Sensory Processing and Maladaptive Behavior: Profiles within the Down syndrome Phenotype. *Physical and Occupational Therapy in Pediatrics*, DOI: 10.1080/01942638.2019.1575320
16. Hogan, A.L., Hills, K.J., Wall, C.A., **Will, E.A.**, & Roberts, J. (2019). *Screening and diagnosis of autism spectrum disorder in preschool-aged children*. In Bracken, B., & Nagle, R. (Eds.), *Psychoeducation Assessment of Preschool Children*, 5<sup>th</sup> ed. New York, NY: Routledge.
17. Fidler, D. J., Schworer, E., Prince, M. A., **Will, E. A.**, Needham, A. W., & Daunhauer, L. A. (2019). Exploratory behavior and developmental skill acquisition in infants with Down syndrome. *Infant Behavior and Development, 54*, 140-150.
18. Roberts, J.E., Crawford, H., **Will, E.A.**, Hogan, A.L., McQuillin, S., Tonnsen, B.L., O'Connor, S., Roberts, D.A., & Brewe, A.M. (2019). Infant social avoidance predicts autism but not anxiety in fragile X syndrome. *Frontiers in Psychiatry 10*(199). doi: 10.3389/fpsyt.2019.00199
19. **Will, E.A.**, Caravella, K.E., Hahn, L.J., Fidler, D.J., & Roberts, J.E. (2018). Adaptive behavior in infants and toddlers with Down syndrome and fragile X syndrome. *American Journal of Medical Genetics, Part B, Neuropsychiatric Genetics*, 1-11. DOI: 10.1002/ajmg.b.32619
20. Fidler, D.J., Schworer, E., **Will, E.A.**, Patel, L., & Daunhauer, L.A. (2018). Correlates of early cognition in Down syndrome. *Journal of Intellectual Disability Research*. doi: 10.1111/jir.12566
21. Fidler, D.J., Daunhauer, L., **Will, E.A.**, & Schworer, E. (2018). *Working memory in Down syndrome*. In T. Alloway, (Ed), *Working Memory and Clinical Developmental Disorders: Theories, Debates and Interventions*, Taylor & Francis.
22. Daunhauer, L.A., Gerlach-McDonald, B., **Will, E.A.**, & Fidler, D.J. (2017). Performance and ratings-based measures of executive function in school aged children with Down syndrome. *Developmental Neuropsychology, 42*(6), 351-368.
23. **Will, E.A.**, Fidler, D. J., Daunhauer, L. A., & Gerlach-MacDonald (2017). Executive function and academic achievement in primary-grade students with Down syndrome. *Journal of Intellectual Disability Research, 61*(2), 181-195.
24. **Will, E. A.**, Gerlach-McDonald, B., Fidler, D.J., Daunhauer, L.A. (2016). Impact of maladaptive behavior on school function in Down syndrome. *Research in Developmental Disabilities, 59*, 328-337.

25. Fidler, D. J., Daunhauer, L. A., **Will, E.A.**, Gerlach-McDonald, B., & Schworer, E. (2016). The Central Role of Etiology in Science and Practice in Intellectual Disability. *International Review of Research in Developmental Disabilities*, 50, 33-69.
26. **Will, E.A.**, & Hepburn, S. (2015). Applied Behavior Analysis for Children with Neurogenetic Disorders. In R. M. Hodapp, & D. J. Fidler (Eds.), *International Review of Research in Developmental Disabilities*, 49, 229–259.
27. Lee, N.R., Anand, P. **Will, E.A.**, Adeyemi, E.I., Clasen, L., Blumenthal, J.D., Geidd, J.N., Daunhauer, L.A., Fidler, D., & Edgin, J.O. (2015). Everyday executive functions in Down syndrome from early childhood to young adulthood: Evidence for both unique and shared characteristics compared to youth with sex chromosome trisomy (XXX and XXY). *Frontiers in Behavioral Neuroscience*, 9(264). Doi: 10.3389/fnbeh.2015.00264.
28. **Will, E.A.**, Fidler, D. J., Daunhauer, L. A. (2014). Executive function and planning in early development in Down syndrome. *International Review of Research in Developmental Disabilities*, 47, 77-98.
29. Fidler, D. J., **Will, E.A.**, Daunhauer, L. A., Gerlach-McDonald, B., & Visootsak, J. (2014). Object-related generativity in children with Down syndrome. *Research in Developmental Disabilities*, 35(12), 3379-3385.
30. Daunhauer, L., Fidler, D.J., & **Will, E.A.** (2014). School function for children with Down syndrome. *American Journal of Occupational Therapy*, 68, 167-176.
31. Daunhauer, L. A., Fidler, D. J., Hahn, L., **Will, E.A.**, Lee, N., & Hepburn, S. (2014). Profiles of everyday executive functioning in young children with Down syndrome. *American Journal on Intellectual and Developmental Disabilities*, 119, 303-318.
32. Cole, D. A., Dukewich, T. L., Roeder, K., Sinclair, K. R., McMillan, J., **Will, E.A.**, Bilsky, S. A., Martin, N.C., & Felton, J. W. (2014). Linking peer victimization to the development of depressive self-schemas in children and adolescents. *Journal of Abnormal Child Psychology*, 1-12.

## **MANUSCRIPTS UNDER REVIEW**

**Will, E.A.**, Hills, K.J., Smith, K., McQuillin, S., & Roberts, J.E. (*under review*). Developmental associations between motor and communication outcomes in Fragile X syndrome: Variation in the context of co-occurring autism. *Autism*.

\*Knott, C., **Will, E.A.**, & Roberts, J.E. (*in revision*). Capturing Phenotypic Heterogeneity in Differentiated Sensory Processing Profiles: Implications for Fragile X Syndrome and Idiopathic Autism. *Autism*.

\*Hantman, R.M., **Will, E.A.**, & Roberts, J.E. (*under review*). Maternal-Child Cortisol Attunement Differs in Preschoolers with Autism, Fragile X Syndrome, and Neurotypical Development. *Developmental Psychobiology*.

\*Wall, C.A., Shic, F., **Will, E.A.**, Wang, Q., & Roberts, J.E. (*under review*). Similar Gap-Overlap Profiles in Preschoolers with Fragile X Syndrome and IQ-Matched Autism. *Journal of Autism and Developmental Disorders*.

### **MANUSCRIPTS IN PREPARATION**

**Will, E.A.**, Knott, C., & Roberts, J.E. (in preparation). Communication and Symbolic Behavior Profiles in infants and toddlers with Down syndrome.

**Will, E.A.**, Knott, C.E., Hantman, R., Hills, K.J. (in preparation). Autism in Down syndrome: A scoping review.

Klusek, J., **Will, E.A.**, Caravella, K., Moser, C., Roberts, J. (in preparation). Social communication in premutation carriers.

### **REFEREED PRESENTATIONS** (Selected) \* denotes mentee

1. **Will, E.A.**, Knott, C.E., & Roberts, J.E. (2022, July 7 – 10). *Developmental Cascades in Neurogenetic Conditions* [Poster Presentation]. International Congress on Infant Studies, Ottawa, Canada.
2. \*Hunt, E., **Will, E. A.**, & Roberts, J.E. (2022, June). *Executive Function and Adaptive Behavior Associations in School-aged Children with Fragile X Syndrome* [Poster presentation]. Presented at the American Academy for Clinical Neuropsychology Annual Meeting, Minneapolis, MN.
3. \*Hunt, E., **Will, E. A.**, & Roberts, J. E. (2022, May 11-14). *The Role of Autism Core Features and Inhibitory Control in Parent-Child Interactions across FXS Versus ASD* [Poster Session]. International Society for Autism Research, Austin, TX, United States.
4. \*Hantman, R., **Will, E A.**, & Roberts, J. E. (2022, May). *Maternal Cortisol Predicts Child Cortisol in Autism Spectrum Disorder and Fragile X Syndrome* [Poster presentation]. International Society for Autism Research, Austin, TX.
5. \*Knott, C., **Will, E. A.**, Roberts, J. E. (2021, April). Sensory Processing and Maladaptive Behavior in Young Children with Autism Spectrum Disorder and Fragile X Syndrome with and without Comorbid Autism Spectrum Disorder. [Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities](#), (Virtual Conference).
6. \*Hunt, E., **Will, E. A.**, Hogan, A., & Roberts, J. (2021, November). *Physiological and Behavioral Markers of Self-Regulation in Fragile X Syndrome and the Impact of Autism Symptom Severity* [Poster presentation]. Presented at the International Society for Developmental Psychobiology Annual Meeting, Chicago, IL.
7. **Will, E.A.**, Smith, K., Kelleher, B., & Roberts, J.E. (2020, July). Biobehavioral Indices of Sustained Attention in Infants with Down syndrome, Fragile X syndrome, and Typical Development. *International Congress on Infant Studies (virtual conference)*.
8. **Will, E.A.**, Knott, C., Smith, K., & Roberts, J.E. (2020, July). Developmental Divergence in Infancy: Profiles Across Genetic Conditions and Typically Developing Infants. *International Congress on Infant Studies (virtual conference)*.
9. \*Black, C. J., Hogan, A. L., Will, E. A., **Smith, K.**, Roberts, J. E. (2020, July 6-9). *Early Biobehavioral Social Features of Infants with Down Syndrome and Fragile X Syndrome* [Poster session]. The International Congress of Infant Studies, Glasgow, Scotland. <https://infantstudies.org/congress-2020/>

10. \*Jarvis, K. E., Will, E. A., **Smith, K. D.**, & Roberts, J. E. (2020, April 15-17). *Role of Occupational and Physical Therapy on Motor Skills in Infants with Down Syndrome and Fragile X Syndrome* [Poster session]. Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, CA, United States. <https://health.ucdavis.edu/mindinstitute/gatlinburg/index.html> (Conference cancelled)
11. \*Ezell, J. A., Hogan, A. L., Will, E. A., **Smith, K. D.**, & Roberts, J. E. (2020, June 3). *Autonomic Startle Response and Anxiety in Preschool Children with Autism Spectrum Disorder and Fragile X Syndrome* [Poster session]. International Society for Autism Research, Seattle, WA, United States. <https://www.autism-insar.org/page/insarvirtual>
12. **Will, E. A.**, Smith, K. D., Roberts, J. E. (2019, May). Motor Trajectories and Language Outcomes in a Genetic Model of ASD: Early Development in Fragile X with and without ASD. *International Society for Autism Research (INSAR) Annual Meeting*, Montreal, Canada.
13. **Will, E. A.** & Roberts, J. E. (2019, April). Motor Impairments in Infants and Toddlers with Down Syndrome: Implications for Language and Cross-Syndrome Comparisons to Fragile X Syndrome. Symposium talk at the *Gatlinburg Conference on Research and Theory in Intellectual Disabilities*, San Antonio, TX.
14. **Will, E. A.** (2019, April). In **E. A. Will** (Chair), Mechanisms and Functional Consequences of Motor Impairments across Down Syndrome, Fragile X, Autism, and Single Gene Mutations. Symposium conducted at the *Gatlinburg Conference on Research and Theory in Intellectual Disabilities*, San Antonio, TX.
15. \*Reisinger, D., **Will, E. A.**, Roberts, J. E. (2019, April). Utilizing a Biobehavioral Model of Visual Attention to Discriminate Outcomes in Infants at High Risk for Autism Spectrum Disorder. Symposium talk at the *Gatlinburg Conference on Research and Theory in Intellectual Disabilities*, San Antonio, TX.
16. Fidler, D., Schworer, E., Prince, M., **Will, E. A.**, Needham, A., & Daunhauer, L. (2019, April). *Exploratory Behavior and Developmental Skill Acquisition in Infants with Down Syndrome*. Symposium talk at the *Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disorders*, San Antonio, TX.
17. \*Knott, C. E., **Will, E. A.**, Roberts, J. E. (2019, May). *Sensory Processing in Relation to Sleep Disturbances in Young Children with Autism Spectrum Disorder and Fragile X Syndrome with and without Comorbid Autism Spectrum Disorder*. Poster presented at International Society for Autism Research (INSAR) Annual Meeting, Montreal, Canada.
18. \*Ezell, J. A., **Will, E. A.**, Hills, K. J., & Roberts, J. E. (2019, May). The Association between Sensory Behaviors and Heart Activity in Preschool Children with Autism Spectrum Disorder and Fragile X Syndrome. Poster presented at the *International Society for Autism Research Annual Meeting*, Montreal, Canada.
19. \*Moser, C., Knott, C., **Will, E. A.**, & Roberts, J. E. (2019, March). *Sensory Over-Responsivity as it Relates to Sleep Disturbances in Fragile X Syndrome and Autism Spectrum Disorder*. Poster presented at the South Carolina Autism and Neurodevelopmental Disorders (SCAND) Research Symposium, Charleston, SC.
20. **Will, E.A.**, & Roberts, J.E. (2018, May). Motor trajectories in fragile X syndrome: an early indicator of comorbid autism, Poster presentation at the *International Society for Autism Research annual meeting*, Rotterdam, Netherlands.
21. **Will, E.A.**, Moser, C., & Roberts, J.E. (2018, April). Object exploration in infants with Fragile X: Contrasts to high-risk autism and typical development, Paper presentation at the *NICHD Gatlinburg Conference on Intellectual and Developmental Disabilities*, San Diego, CA.

22. Roberts, J., Hogan, A.L., **Will, E.A.**, Tonnsen, B., & Klusek, J. (2018, April). Heart Rate Variability in Fragile X Syndrome and Its Relationship to Anxiety. Symposium accepted to the 2018 Gatlinburg *Conference on Research & Theory in Intellectual and Developmental Disorders*, San Diego, CA.
23. \*Smith, K., Hogan, A.L., **Will, E.A.**, & Roberts, J.E. (2018, April). Social and Object Attention as Markers for Anxiety in Toddlers with Neurodevelopmental Disorders. Poster presentation at the *Gatlinburg Conference on Research and Theory in Intellectual Disabilities*, San Diego, CA.
24. \*Ezell, J., **Will, E.A.**, McQuillin, S., and Roberts, J. (2018, May). Physiological Startle Response in Children with Fragile X Syndrome and Autism Spectrum Disorder. Poster presented at the *International Society for Autism Research Annual Meeting*, Rotterdam, Netherlands.
25. \*Ezell, J., **Will, E.**, Brewe, A., McQuillin, S., and Roberts, J. (2018, April). Negative Affect and Physiological Startle Response in Children with Fragile X Syndrome. Paper presentation at the *Gatlinburg Conference Research and Theory in Intellectual Disabilities*, San Diego, CA.
26. Roberts, J. E., Hogan, A. L., **Will, E. A.**, Tonnsen, B., & Klusek, J. (2018, April). *Heart Rate Variability in Fragile X Syndrome and Its Relationship to Anxiety*. Symposium presented at the *Gatlinburg Conference on Research and Theory in Intellectual & Developmental Disabilities*, San Diego, CA.
27. **Will, E.A.**, Fidler, D.J., & Esbensen, A. (2017, August). Neuropsychological predictors of adaptive behavior in Down syndrome. Paper presentation at *American Psychological Association Annual Convention*, Washington, D.C.
28. **Will, E.A.**, Fidler, D.J., & Daunhauer, L.A., (2017, March). Contributions to goal directed outcomes in toddlers with Down syndrome, Paper presentation at the *NICHD Gatlinburg Conference on Intellectual and Developmental Disabilities*. San Antonio, TX.
29. Daunhauer, L.A., **Will, E.A.**, & Fidler, D.J., (2017, March). Longitudinal achievement and predictors of academic outcomes in elementary school for students with Down syndrome, *NICHD Gatlinburg Conference on Intellectual and Developmental Disabilities*. San Antonio, TX.
30. **Will, E.A.**, Fidler, D.J., & Daunhauer, L.A. (2016, August). Sensory processing and maladaptive behavior in Down syndrome, *American Psychological Association Annual Convention*. Denver, CO.
31. **Will, E.A.**, Fidler, D.J., & Daunhauer, L.A. (2016, March). Impact of maladaptive behavior on school function in Down syndrome, *Gatlinburg Conference on Intellectual and Developmental Disabilities*. San Diego, CA.
32. Godfrey, M., Maiman, M., Anand, P., **Will, E.A.**, Clasen, L.S., Daunhauer, L.A., Fidler, D.J., Geidd, J., Edgin, J., & Lee, N.R. (2016, March). An examination of the relations between everyday executive functions, age, and psychopathology in children and young adults with down syndrome, *Gatlinburg Conference on Intellectual and Developmental Disabilities*. San Diego, CA.
33. Lee, N.R., **Will, E.A.**, Adeyemi, E., Clasen, L. S., Blumenthal, J., Daunhauer, L.A., Fidler., D.J., Geidd, J., & Edgin, J. (2016, March). Variation in the severity of everyday executive function in relation to age and symptoms of psychopathology in youth with an extra X chromosome: A comparison with typical youth and youth with Down syndrome, *Gatlinburg Conference on Intellectual and Developmental Disabilities*. San Diego, CA.
34. Daunhauer, L.A., Fidler, D.J., **Will, E.A.**, & Gerlach-McDonald, B. (2015, April). Executive function in students with Down syndrome: Does what happen in the lab stay in the lab? Paper presentation at the *48<sup>th</sup> Annual Meetings of the NICHD Gatlinburg Conference on Intellectual and Developmental Disabilities*, New Orleans, LA.
35. Fidler, D.J., Daunhauer, L.A., **Will, E.A.**, & Gerlach-McDonald, B. (2015, April). Executive function and math achievement in students with Down syndrome. Paper presentation at the *48<sup>th</sup> Annual Meetings of the NICHD Gatlinburg Conference on Intellectual and Developmental Disabilities*, New Orleans, LA.

36. **Will, E.A.**, Fidler, D.J., & Daunhauer, L.A. (2015, April). Short-term memory and word identification in Down syndrome, Paper presentation at the *Gatlinburg Conference on Intellectual and Developmental Disabilities*. New Orleans, LA.
37. Daunhauer, L. A., Fidler, D. J., **Will, E.A.**, Visootsak, J., & Hepburn, S. (2014, March). Are Inhibitory control deficits a component of the cognitive phenotypic profile in school-aged children with Down syndrome? Paper presented at the *Gatlinburg Conference on Intellectual and Developmental Disabilities*. Chicago, IL.
38. Fidler, D. J., Daunhauer, L. A., **Will, E.A.** & Visootsak, J. (2014, March). Object-related generativity in children with Down syndrome. Paper presented at the *Gatlinburg Conference on Intellectual and Developmental Disabilities*. Chicago, IL.
39. **Will, E.A.**, Fidler, D. J., & Daunhauer, L. A. (2014, March). School function in children with Down syndrome. Paper presented at the *Gatlinburg Conference on Intellectual and Developmental Disabilities*. Chicago, IL.
40. Lee, N.R., Adeyemi, E.I., Spano, G., Clasen, L., Fassassi, B., **Will, E.A.**, Stejskal, K., Whynott, L., Giedd, J., Daunhauer, L., Fidler, D., Edgin, J. (2013, April). Do executive function (EF) skills change with age in youth with Down syndrome. Paper presented at the *Workshop on Cognition in Down syndrome: Molecular, Cellular and Behavioral Features and the Promise of Pharmacotherapeutics*. Washington, DC.
41. Ferris, G., Edwards, C., Cox, B., **Will, E.A.**, Moore, T., & Lane, K. L. (2010, October). *Using a functional assessment-based intervention to increase academic engaged time in an elementary student with ADHD*. Paper presented at the Tennessee Association for Applied Behavior Analysis Conference. Nashville, TN.

### **INVITED PRESENTATIONS**

**Will, E.A.** (2023, January). *Autism Diagnosis in Rare Genetic Conditions: Down syndrome*. International Collaboration for Diagnostic Evaluation of Autism, Weill Cornell Medical College, New York-Presbyterian Hospital, New York.

**Will, E.A.** (2021, October). *Differentiating Autism and Intellectual Disability: Down Syndrome and Fragile X Syndrome*. University of California, San Francisco, San Francisco, CA (virtual training).

**Will, E.A.** (2021, June). *Differentiating Autism and Intellectual Disability: Down syndrome and Fragile X Syndrome*. University of California, San Francisco, San Francisco, CA (virtual training).

**Will, E.A.** (2019, April). Phenotype-specific risk in neurodevelopmental disorders: *Sources of cross-syndrome heterogeneity and specificity*. University of Washington, Seattle, WA.

**Will, E.A.** (2015, October). Applied behavioral interventions for children with Down syndrome. *International Mosaic Down Syndrome Research and Retreat*. International Mosaic Down Syndrome Association, Fitchburg, MA.

**Will, E.A.** (2013, October). Behavioral therapy for children with Down syndrome. “*Day to Day Strategies for Down Syndrome*” *A Regional Conference for Parents and Caregivers*. Emory University, Atlanta, Georgia.

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## TEACHING

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### ***COURSES TAUGHT***

#### **University of South Carolina**

<i>Instructor</i> , PSYC 772: Research Approaches to Human Behavior Graduate Required Course	2023
<i>Instructor</i> , PSYC 714: Cognitive Assessment Graduate Required Course ( <i>School Psychology Core Curriculum</i> )	2022
<i>Instructor</i> , PSYC 841: Selected Topics: Autism Spectrum Disorder Graduate Elective Course	2022
<i>Instructor</i> , PSYC 772: Research Approaches to Human Behavior Graduate Required Course	2020
<i>Co-Instructor</i> , PSYC 589: Selected Topics in Psychology: Neurodevelopmental Disabilities Advanced Undergraduate Seminar	2017

#### **Colorado State University**

<i>Instructor</i> , HDFS 310: Infant and Child Development Undergraduate Required Course	2014, 2017
<i>Instructor</i> , HDFS 101: Individual & Family Development Undergraduate Required Course	SP 2017, SUM 2017
<i>Instructor</i> , HDFS 492: Senior Capstone Seminar (Grant Writing) Undergraduate Required Course	2016
<i>Instructor</i> , HDFS 375: Programming for Children & Families Undergraduate Elective	SP 2016 – SUM 2016
<i>Instructor</i> , HDFS 350: Applied Research Methods Undergraduate Required Course	2015
<i>Co-Instructor</i> , HDFS 650: Advanced Research Methods Graduate Required Course	2014
<i>Co-Instructor</i> , HDFS 310: Infant & Child Development Undergraduate Required Course	2014

#### **Vanderbilt University**

<i>Teaching Assistant</i> , PSY-PC 2250: Adolescent Development Undergraduate Elective	2011
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### ***GUEST LECTURES***

- Will, E.A.**, (2021, November). *Applied Behavior Analysis*. COMD 710 J50: Special Topics in Speech Pathology: Autism, Communication Sciences & Disorders, UofSC
- Will, E.A.**, (2018, October). *Applied Behavior Analysis*. COMD 710 J50: Special Topics in Speech Pathology: Autism, Communication Sciences & Disorders, UofSC
- Will, E.A.**, (2017, October). *Applied Behavior Analysis*. COMD 710 J50: Special Topics in Speech Pathology: Autism, Communication Sciences & Disorders, UofSC
- Will, E.A.**, (2016, April). *Autism*. HDFS 310: Infant and Child Development, Human Development & Family Studies, Colorado State University
- Will, E.A.**, (2016, April). *Neurogenetic Disorders*. HDFS 310: Infant and Child Development, Human Development & Family Studies, Colorado State University

- Will, E.A.**, (2015, April). *Autism*. HDFS 310: Infant and Child Development, Human Development & Family Studies, Colorado State University
- Will, E.A.**, (2014, March). *Autism*. HDFS 310: Infant and Child Development, Human Development & Family Studies, Colorado State University
- Will, E.A.**, (2013, March). *Autism*. HDFS 310: Infant and Child Development, Human Development & Family Studies, Colorado State University
- Will, E.A.**, (2013, March). *Genetic Disorders*. HDFS 310: Infant and Child Development, Human Development & Family Studies, Colorado State University

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## **STUDENT RESEARCH MENTORSHIP**

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### **Master's Thesis Committee**

Chandler Knott, School Psychology, UofSC; passed Spring, 2022

### **Senior Honors Thesis Reader**

Felicia McGill, Biology & Spanish, University of South Carolina; anticipated Spring 2022

Isabel Robinson, Biology, University of South Carolina; passed Spring 2021

Hannah Pressler, Biology, University of South Carolina; passed Spring 2020

### **Mentored Undergraduate Research Grants/Awards**

Faith Albertson, SC Honors College Travel Award, UofSC, Spring 2023

Andrew Gart, Magellan Journey Award, UofSC, Spring 2023

Annamarie Holder, Magellan Apprentice Award, UofSC, Spring 2023

Andrew de Arellano, SC Honors College Research Award, UofSC, Spring 2023

Emma Whitener, Magellan Mini Award, UofSC, Fall 2022 – Spring 2023

Kaleb Phelps, SC Honors College Research Award, UofSC, Fall 2022 – Spring 2023

Faith Albertson, Exploration Research Grant, UofSC, Fall 2021 – Spring 2022

Isabelle Robinson, Magellan Undergraduate Research Award, UofSC, Spring 2021

Malorie Webb, Magellan Galen Science Award, UofSC, Spring 2021

Isabelle Robinson, Exploration Research Grant, UofSC, Fall 2019 – Spring 2020

Malorie Webb, Magellan Scholar Award, UofSC, Fall 2019 – Spring 2020

Hannah Pressler, Magellan Scholar Award, UofSC, Fall 2019 – Spring 2020

Malorie Webb, Exploration Research Grant, UofSC, Fall 2018 – Spring 2019

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## **SERVICE**

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### **PROFESSIONAL**

#### **Ad Hoc Journal Reviews**

*American Journal on Intellectual and Developmental Disabilities*

*Autism*

*Autism and Developmental Language Impairment*

*Autism Research*

*Brain Sciences*

*Disability and Rehabilitation*

*Frontiers in Psychiatry*

*Frontiers in Psychology*

*Infancy*

*Infant Behavior & Development*  
*International Journal of Developmental Disabilities*  
*Journal of Applied Research in Intellectual Disabilities*  
*Journal of Neurodevelopmental Disorders*  
*Journal on Autism and Developmental Disorders*  
*Journal on Intellectual Disability Research*  
*Physical and Occupational Therapy in Pediatrics*  
*Research in Developmental Disabilities*

**Student Representative (2015 – 2017)**

American Psychological Association, Division 33: Intellectual & Developmental Disabilities/Autism

**UNIVERSITY**

- 2022 *Reviewer*, SPARC Graduate Research Grant, University of South Carolina  
2021 *Reviewer*, Magellan Scholar Award, University of South Carolina  
2021 *Reviewer*, Caravel Undergraduate Research Journal, University of South Carolina  
2019 *Reviewer*, Magellan Scholar Award, University of South Carolina

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**PROFESSIONAL DEVELOPMENT & CLINICAL TRAINING**

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**STATISTICS & METHODOLOGY**

- 2020 **Statistics with R**; Software: R  
Statistical Horizons  
Instructor: Andrew Miles, PhD
- 2020 **Multilevel Modeling for the Social Sciences**; Software: R  
Inter-University Consortium for Political and Social Research
- 2019 **Longitudinal Structural Equation Modeling**; Software: MPlus  
Statscamp; London, UK  
Instructors: Todd Little, PhD; Elizabeth Granfield, PhD
- 2019 **Cardio Batch/Cardio Edit Heart Activity Software**  
University of Chapel Hill, Chapel Hill, NC  
Instructor: Keri Heilman, PhD
- 2016 **Bayesian Data Analysis**; Software: R, Jags  
Statscamp; Albuquerque, NM  
Instructor: John Kruschke, PhD
- 2016 **Single Case Intervention Research**  
American Psychological Association Advanced Training Institute, Madison, WI  
Instructors: Robert Horner, PhD; Tom Kratochwill, PhD
- 2015 **Psychometrics**; Software: MPlus  
Statscamp; Lubbock, TX  
Instructors: Todd Little, PhD; Larry Price, PhD
- 2015 **Longitudinal Data Analysis**; Software: MPlus  
Education Department, Colorado State University  
Instructor: David Most, PhD
- 2014 **Program Evaluation**; Software: R, MPlus  
Psychology Department, Colorado State University  
Instructor: Kim Henry, PhD

## ***CLINICAL TRAINING***

- 2022 Hammersmith Infant Neurological Assessment, Emory University  
(Trainer: Nathalie Matrie, M.D., PhD)
- 2018 Autism Diagnostic Observation Schedule – 2<sup>nd</sup> Edition, Research Reliable  
(Trainer: Kim Hills, PhD)
- 2015 Early Start Denver Model, Children’s Hospital of Colorado, Denver, CO  
(Trainer: Elizabeth Griffith, PhD)
- 2012 Behavioral Health and Intellectual Disabilities Clinic, Vanderbilt Kennedy Center
- 2011 Early Childhood Behavior Clinic, Vanderbilt University
- 2010 Behavior Analysis Clinic, Vanderbilt Kennedy Center
- 2010 Vanderbilt Kennedy Center, Treatment and Research Institute for Autism Spectrum Disorder  
Autism and Behavior Management Clinic, Vanderbilt Children’s Hospital
- 2009 Project Support and Include (School-Based Positive Behavior Support), Vanderbilt University

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## **MEMBERSHIP**

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- 2022 – present *Member*, Down Syndrome Medical Interest Group
- 2021 – present *Faculty Affiliate*, Institute for Mind and Brain, University of South Carolina
- 2018 – present *Member*, International Congress on Infant Studies
- 2017 – present *Member*, Carolina Autism and Neurodevelopmental Disorders Consortium
- 2017 – present *Member*, International Society for Autism Research
- 2014 – present *Member*, American Psychological Association Division 33- Intellectual and  
Developmental Disabilities/Autism Spectrum Disorders