

# JANE E. ROBERTS, PhD.

University of South Carolina  
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## EDUCATION

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Post-Doctoral Fellow: Developmental Neuroscience/Psychophysiology UNC, Chapel Hill, NC	1999
Ph.D. Early Childhood Special Education, UNC, Chapel Hill, NC	1998
Ed.S. School Psychology, University of Connecticut, Storrs, CT	1990
M.A. School Psychology, University of Connecticut, Storrs, CT	1988
B.A. Psychology, Asbury College, Wilmore, KY	1986

## BRIEF CHRONOLOGY OF EMPLOYMENT

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<b>Executive Director</b> Carolina Autism and Neurodevelopment Research Center University of South Carolina	2024-present
<b>Carolina Distinguished Professor</b> Department of Psychology, University of South Carolina	2020-present
<b>Professor</b> Department of Psychology, University of South Carolina School Psychology program: APA and NASP accredited Clinical-Community program: APA accredited	2013-present
<b>Faculty Affiliate</b> Institute for Mind and Brain University of South Carolina	2013-present
<b>Associate Dean for Natural Sciences</b> College of Arts and Sciences, University of South Carolina	2022-2024
<b>Founding Director</b> Carolina Autism and Neurodevelopment Research Center University of South Carolina	2019-2024
<b>Department Chair</b> Department of Psychology, University of South Carolina	2018-2022
<b>Adjunct Professor</b> Biomedical & Psychological Sciences, Monash University, Melbourne Australia	2014-2018
<b>Program Director</b> School Psychology Program, Department of Psychology University of South Carolina	2013-2016
<b>Adjunct Assistant Professor</b> University of North Carolina at Chapel Hill Department of Allied Health Sciences, School of Medicine The Division of Speech and Hearing Sciences	2009-2012
<b>Associate Professor</b> Department of Psychology, University of South Carolina School Psychology program: APA and NASP accredited	2008-2013
<b>Scientist</b> FPG Child Development Institute, University of North Carolina at Chapel Hill Principal Investigator, Molecular-Clinical Correlates in Fragile X Syndrome; Family Adaptation to Temperament and Challenging Behavior in FXS	2006-2008
<b>Investigator</b> FPG Child Development Institute, University of North Carolina at Chapel Hill Early Development in Fragile X Syndrome	1999-2006
<b>Clinical Assistant Professor</b> Education Department, University of North Carolina at Chapel Hill	1998-2008
<b>Post-Doctoral Fellow</b>	1998-1999

FPG Child Development Institute, University of North Carolina at Chapel Hill Physiological regulation and genetic markers in neurodevelopmental disorders	
<b>Clinical Associate</b> Duke University, Durham, North Carolina Pediatric Infectious Disease Clinic	1996-1998
<b>Social Research Associate</b> FPG Child Development Institute, University of North Carolina at Chapel Hill Carolina Fragile X Project	1995-1998
<b>School Psychologist</b> Palm Beach County Public School System	1990-1995
<b>School Psychologist</b> Broward County Public School System	1989
<b>Psychiatric Residential Program Coordinator</b> Residential Services Inc., Hartford, Connecticut	1988
<b>Special Education Teacher/Preschool Program Director</b> Tolland County Public School System/Mansfield's Co-operative Preschool	1986-1987
<b>Psychiatric Deinstitutionalization Program Supervisor</b> South County Mental Health Institute, Delray Beach, Florida	1985

## **AFFILIATIONS/CERTIFICATIONS**

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Autism Baby Siblings Research Consortium, Member  
 American Psychological Association  
 International Society for Autism Research  
 Society for Research in Child Development  
 Council for Exceptional Children: Division for Early Childhood  
 National Association for School Psychologists  
 North Carolina Teaching Certificate: School Psychology, Birth - Kindergarten

## **AWARDS/HONORS**

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Carolina Distinguished Professor	2020-current
Chair, Child Psychopathology and Developmental Disabilities NIH Study Section	2019-2020
UofSC Rising Star Faculty Research Award	2011
Two Thumbs Up Teaching Award: USC Disabilities Services	2011
Faculty member, International Fragile X Conference	2000-2014
Carolina Scholar Faculty Mentor	2010
Interdisciplinary Doctoral Training Award in Early Childhood/Intervention	1997-1998
International Conference on Mental Retardation: Travel Award	1997
Pediatric AIDS Student Fellowship Nominee	1996-1997
Ireland Doctoral Fellowship: Autism Training Grant	1996-1997
Esther and Ira Gordon Doctoral Fellowship	1995-1996
Minority Student Studies Fellowship	1989-1990

## **GRANT AWARDS/ACTIVITY**

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### **UNDER REVIEW (Recommended for Funding)**

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Principal Investigator 1R01 MH137151 <i>Onset, Development, and Consequences of Autonomic and Sensory Dysfunction in Autism Spectrum Disorder</i> National Institute of Mental Health, \$3,708,155 Council Review: January 2025   Impact Score: 28, Percentile: 11	2025-2030
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Center Principal Investigator 2025-2030  
P50HD118708

*Translation of the FMR1 Premutation Phenotypes Across the Lifespan*  
National Institutes Health, \$6,372,985  
Council Review: 13 January 2025 | Impact Score: 40

Multi-Principal Investigator  
*Administrative Core*  
National Institutes of Health, \$226,536

Multi-Principal Investigator  
Project 1: *Social Communication Trajectories as Predictors of FXAND in Young Children with the FMR1 Premutation*  
National Institutes of Health, \$512,190

## ONGOING

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Co-Investigator (Lead PI: Jessica Bradshaw) 2024-2027  
2407899

*Equipment: MRI: Track 1 Acquisition of a Mobile Observation System for Neurodevelopment Research*  
National Science Foundation, \$1,399,302

Primary Faculty Mentor (PI: Rachel Hantman) 2024-2027  
F31 HD114363

*Maternal - Child RSA Synchrony in Infants with Fragile X Syndrome*  
National Institute of Child Health and Human Development, \$126,523

Faculty Mentor (PI: Taylor Berrier) 2024-2027  
F31 DC021877

*Emotion Regulation in Children with Developmental Language Disorder*  
National Institute on Deafness & Other Communication Disorders, \$146,922

Principal Investigator 2023-2027  
1R01 HD106652-02S1

*Autonomic and Sensory Dysfunctions in FMR1 Conditions: Development, Mechanisms and Consequences – Administrative Supplement*  
National Institute of Child Health & Human Development, \$159,257

Co-Investigator (PI: Abigail Hogan) 2023-2028  
2R01 MH107573

*Emergence, Stability and Predictors of Anxiety in Fragile X Syndrome*  
National Institutes of Health, \$3,611,853

Co-Investigator (PI: Jessica Bradshaw) 2023-2028  
1R01 MH132925

*The Role of Autonomic Regulation of Attention in the Emergence of ASD*  
National Institutes of Health, \$3,732,820

Co-Primary Faculty Mentor (PI: Alexis Federico) 2022-2025  
F31 HD108920

*Infant Predictors of ADHD and ASD Symptomology*  
National Institute of Child Health and Human Development, \$138,108

Principal Investigator 2022-2027

1R01 HD106652 <i>Autonomic and Sensory Dysfunctions in FMR1 Conditions: Development, Mechanisms and Consequences</i> National Institute of Child Health & Human Development, \$3,215,991	
Co-Investigator (PI: Jessica Klusek, PhD) 1R01 AG073374 <i>Aging Symptom Trajectories in Mother Carriers of the FMR1 Premutation</i> National Institute on Aging, \$3,545,468	2022-2027
<b>COMPLETED</b>	
Co-Investigator (PI's Christian O'Reilly, PhD and Jessica Bradshaw, PhD) <i>Model-driven analysis of autonomic control in ASD using ECG</i> CAN Research Center Pilot Award, \$40,000	2022-2023
Primary Faculty Mentor (PI: Elizabeth Will, PhD) K99 HD105980 <i>Early Developmental Determinants and Pathways in Down syndrome</i> National Institute of Child Health and Human Development, \$1,038,074	2021-2023
Faculty Mentor (PI: Stefania Conte, PhD) K99 HD102566 <i>The Development of Face-Processing Abilities in Infants: Structural and Functional Brain Changes During the First Year of Life</i> National Institute of Child Health & Human Development, \$108,401	2021-2023
Faculty Mentor (PI: Emily Lorang) F31 DC018716 <i>Language, physiology, and anxiety across contexts in autism spectrum disorder and fragile X syndrome</i> NIH Ruth L. Kirschstein Predoctoral Individual National Research Service Award, \$70,732	2020-2022
Primary Faculty Mentor (PI: Jessica Bradshaw, PhD) K23 MH120476 <i>Heart Defined Attention in Infancy: Predicting Social Communication and ASD Symptomology</i> National Institute on Deafness and Other Communication, \$528,155	2019-2024
Co-Principal Investigator (MPI: Jeff Twiss, M.D., Ph.D.) <i>UofSC Autism and Neurodevelopmental Disorders Center of Excellence</i> USC Provost Office Excellence Initiative Program, \$4,800,000	2019-2024
Primary Faculty Mentor (PI: Elizabeth Will, Ph.D.) F32 01HD097877 <i>Early Indicators of Autism Risk in Down Syndrome</i> National Institute of Child Health and Human Development, \$192,485	2019-2021
Principal Investigator 2 R01 MH90194-A2 <i>Emergence and Stability of Autism in Fragile X Syndrome</i> Administrative Supplement: Down Syndrome INCLUDE Supplement National Institute of Mental Health, \$320,813	2018-2022
Co-Investigator (PI: Leonard Abbeduto, PhD) 6 R01 HD024356-21 <i>Language Development in Fragile X Syndrome</i>	2018-2023

National Institute of Child Health and Human Development; \$3,427,394	
Principal Investigator 2 R01 MH90194-06 <i>Emergence and Stability of Autism in Fragile X Syndrome</i> National Institute of Mental Health, \$3,550,989	2016-2023
Principal Investigator R01 MH107573 <i>Emergence, Stability and Predictors of Anxiety in Fragile X Syndrome</i> National Institute of Mental Health, \$3,468,724	2016-2023
Co-Investigator - Site PI (PI: Yolanda Jackson, PhD) 2 R01 MH079252 <i>Trauma exposure, emotion regulation and cognitive skills in early childhood: Prospective and longitudinal examination of the mechanisms of adjustment</i> National Institute of Mental Health, \$3,427,694	2016-2022
Principal Investigator R01 MH090194-02S2 <i>Emergence and Stability of Autism in Fragile X Syndrome Administrative Supplement: Sex Effects in Emergence of Autism in Fragile X</i> National Institute of Mental Health, \$84,921	2015-2016
Faculty Sponsor (PI: Jessica Klusek, PhD) F32 DC013934-01 <i>Profiles and Predictors of Pragmatic Language Impairments in the FMR1 Premutation</i> National Institute on Deafness and Other Communication Disorders, \$153,858	2014-2016
Faculty Co-Sponsor (PI: Nicole Zieber, Ph.D.) F32 MH01837495-01 <i>Cortical Areas Involved in Face Processing in Infants at Low- and High-Risk for Autism Spectrum Disorders</i> National Institute of Mental Health, \$51,705	2013-2014
Co-Principal Investigator (Co-PI: John Richards, Ph.D.) Institute for Visiting Scholars: Kim Cornish, Ph.D., Monash University University of South Carolina, \$25,000	2013
Co-Investigator - Site PI (PI: Leonard Abbeduto, Ph.D.) 2 R01 HD024356-18 Language Development in Fragile X National Institute of Child Health and Human Development, \$3,525,427 (\$1,507,663 USC Site)	2012-2017
Principal Investigator 3 R01 MH090194-02S1 <i>Emergence and Stability of Autism in Fragile X Syndrome Administrative Supplement: Biomarker Use in Clinical Research</i> National Institute of Mental Health, \$87,314	2012-2013
Co-Investigator (PI: Kimberly Hills, PhD) <i>USC Autism Diagnostic Training Specialty Clinic: Implementation</i> South Carolina Disabilities Council, Office of the Governor, \$53,246	2012-2013
Co-Investigator (PI: Kimberly Hills, PhD) <i>USC Autism Diagnostic Training Specialty Clinic: Initiation</i> South Carolina Disabilities Council, Office of the Governor, \$29,911	2012

Principal Investigator 1 R01 MH090194-01A1 <i>Emergence and Stability of Autism in Fragile X Syndrome</i> National Institute of Mental Health, \$1,789,280	2011-2016
Faculty Sponsor (PI: Bridgette Tonnsen, PhD) F31 MH095318 <i>Predicting Autism Through Behavioral and Biomarkers of Attention in High-Risk Infants</i> National Institute of Mental Health, \$104,901	2011-2014
Principal Investigator <i>Onset and Stability of Autism in Neurodevelopmental Disorders</i> Social Sciences Grants Program Award University of South Carolina, Office of Provost, \$19,972	2010-2012
Principal Investigator <i>Emergence and Stability of Autism</i> South Carolina Disabilities Council, Office of the Governor, \$19,700	2010-2011
Principal Investigator <i>Emergence and Stability of Autism in Fragile X Syndrome</i> Promising Investigator Research Award University of South Carolina, Office of Research and Graduate Education, \$19,999	2010-2011
Co-Investigator, R01 (PI: David Zajac, Ph.D.) 2 R01 HD044935-06A1 <i>Speech of Young Males with Fragile X Syndrome</i> National Institute of Child Health & Human Development, \$1,746,592	2008-2013
Co-Investigator, R01 (PI: Paul Yoder, Ph.D.) 1 R01 DC006893-01A2 <i>Predicting Useful Speech in Children with Autism</i> National Institute on Deafness and Other Communication Disorders, \$985,000	2009-2013
Principal Investigator <i>Molecular-Clinical Correlates in Fragile X Syndrome</i> National Fragile X Foundation, \$65,000	2004-2009
Co-Director (PI: Don Bailey, Ph.D.) 3 P30 HD003110-35S1 <i>Data Collection Core: Family Adaptation to FXS</i> National Institute of Child Health and Human Development, \$947,284	2003-2008
Co-Investigator, P30 (PI: Deborah Hatton, Ph.D.) 3 P30 HD003110-35S1 <i>Family Adaptation to Temperament and Challenging Behavior in FXS</i> National Institute of Child Health and Human Development, \$834,934	2003-2008
Co-Investigator, R01 (PI: Don Bailey, Ph.D.) <i>Attention, Memory, and Executive Function in FXS</i> National Institute of Child Health and Human Development, \$1,267,422	2001-2006
Project Director (PI: Don Bailey, Ph.D.) Fragile X Information Web Site Ronald McDonald House Charities, \$272,558	2001-2004

Project Director (PI: Don Bailey, Ph.D.) <i>Early Identification of Children with FXS</i> U.S. Department of Education, OSEP, \$859,251	1999-2002
Co-Principal Investigator; Post-Doctoral Grant <i>Psychophysiological Measures of Arousal</i> FRAXA Research Foundation, \$65,000	1998-2000
Student Principal Investigator (Faculty Mentor: Don Bailey, Ph.D.) H023B70035 <i>Biobehavioral Regulation in Boys with Fragile X Syndrome</i> U.S. Department of Education and Rehabilitation Services: Special Education Program, \$19,995	1997-1998

### **SERVICE/COMMUNITY OUTREACH**

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#### Grant Reviewer:

National Institutes of Health Child Psychopathology and Developmental Disorders Section	2022,2023
National Institute of Mental Health Chair, Child Psychopathology Developmental Disabilities Section	2019-2020
Child Psychopathology Developmental Disabilities Section	2016-2020
NIH-Neurodevelopmental Assessment of Infants and Children in Resource-Limited Settings	2015
NIH-National Institute of Mental Health, Child Psychopathology Dev. Disabilities, ad-hoc	2015
Medical Research Council, United Kingdom	2014
Brain Canada: Axrieli Neurodevelopmental Research Program	2013
National Disability Research and Dissemination Center	2013
Department of Defense Congressionally Directed Medical Research Programs Autism Research Program Pilot Award	2012
USC Magellan Undergraduate Research Fellowship	2010-2012
USC Social Sciences Faculty Grant Program Reviewer	2011-2012
USC Discovery Day Undergraduate Research Judge	2012

#### Editorial Roles:

Associate Editor: <i>American Journal of Intellectual and Developmental Disabilities</i>	2018-2020
Guest Co-Editor: <i>American Journal of Intellectual and Developmental Disabilities</i> . Special Issue: Developmental and Longitudinal Approaches in Research with Individuals with Intellectual and Developmental Disabilities.	2011
Co-Editors: Kim Cornish, Ph.D., Gaia Scerif, Ph.D.	
Editorial Board Member: <i>Frontiers in Developmental Psychology</i>	2009-current
<i>American Journal of Intellectual and Developmental Disabilities</i>	2011-2018

#### Journal Reviews and Leadership:

Executive Committee: Gatlinburg Conference	2018-current
Scientific Program Chair: Gatlinbug Conference	20
Ad-Hoc Journal Reviewer: <i>Biological Psychiatry; Journal of Pediatric Psychology;</i> <i>Developmental Psychobiology; Autism; Genes, Brain, and Behavior; Developmental</i> <i>Neuropsychology; Health Psychology; American Journal on Intellectual and</i> <i>Developmental Disabilities; Journal of Autism and Developmental Disorders; Journal of Early</i> <i>Intervention; Journal of Clinical Genetics; Journal of Intellectual Disability Research; Journal of</i> <i>Applied Biobehavioral Research; Journal of Medical Genetics: Part B, Journal of</i> <i>Neurodevelopmental Disorders</i>	

#### Departmental/University Roles:

Executive Director, Carolina Autism and Neurodevelopment Research Center  
Associate Dean of Natural Sciences, College of Arts and Sciences  
Chair, Department of Psychology  
Interim Chair, Department of Psychology  
Department of Psychology Ombudsman  
Faculty Senate Representative: Department of Psychology  
Curriculum Committee: Chair: Departmental and School Program Committees  
Program Director: School Psychology Program

Jane E. Roberts, Ph.D., CV  
2024-present  
2022-2024  
2019-2022  
2018-2019  
2009-2018  
2011-2014  
2010-2018  
2013-2016

## PUBLICATIONS

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1. Walker, S., Knott, C., Cortez, K., & **Roberts, J. E.** (under review). Respiratory sinus arrhythmia is related to sleep quality in preschoolers with autism but not fragile X syndrome. *Developmental Psychobiology*.
2. Hogan, A., Smith, K., Mian, N., Black, C., Hunt, E., Knott, C., ... & **Roberts, J. E.** (2025). Utility of the Modified Anxiety Dimensional Observation Scale in Autistic Preschoolers with Varying Intellectual Functioning. *Journal of Clinical Child and Adolescent Psychology*, 1-15.  
<https://doi.org/10.1080/15374416.2025.2454647>
3. Chase, A., Hamrick, L., Arnold, H., Smith, J., Hantman, R., Cortez, K., Adayev, T., Tortora, N. D., Dahlman, A., & **Roberts, J. E.** (2025). Reduced Respiratory Sinus Arrhythmia in Infants with the *FMR1* Premutation. *International Journal of Molecular Sciences*, 26(25), 2186.  
<https://doi.org/10.3390/ijms26052186>
4. Lampinen, L. A., Zheng, S., Olson, L., Bal, V. H., Thurm, A. E., Esler, A. N., ... **Roberts, J. E.**, Takahashi, N. & Bishop, S. L. (2025). DSM-5 based algorithms for the Autism Diagnostic Interview-Revised for children ages 4-17 years. *Journal of child psychology and psychiatry, and allied disciplines*. <https://doi.org/10.1111/jcpp.14159>
5. Moskowitz, L. J., Will, E. A., Black, C. J., & Roberts, J. E. (2024). The effect of anxiety and autism symptom severity on restricted and repetitive behaviors over time in children with fragile X syndrome. *Journal of Neurodevelopmental Disorders*, 16(1), 61.
6. Arnold, H. P., Hunt, E. E., Hantman, R. M., Black, C. J., Knott, C. E., Lynch, D. R., & Roberts, J. E. (2024). The *FMR1* Phenotype: Premutation and Fragile X Syndrome. In *Intellectual and Developmental Disabilities: A Dynamic Systems Approach* (pp. 303-326). Cham: Springer Nature Switzerland.
7. Klusek, J., Will, E., Christensen, T., Caravella, K., Hogan, A., Sun, J., ... & Roberts, J. E. (2024). Social Communication Delay in an Unbiased Sample of Preschoolers With the *FMR1* Premutation. *Journal of Speech, Language, and Hearing Research*, 1-17.
8. Will, E. A., Hills, K. J., Smith, K., McQuillin, S., & Roberts, J. E. (2024). Developmental associations between motor and communication outcomes in Fragile X syndrome: Variation in the context of co-occurring autism. *Autism*, 13623613231225498.
9. Wall, C. A., Shic, F., Will, E. A., Wang, Q., & Roberts, J. E. (2024). Similar Gap-Overlap Profiles in Children with Fragile X Syndrome and IQ-Matched Autism. *Journal of Autism and Developmental Disorders*, 1-13.
10. Richards, J. E., Guy, M. W., Hogan, A. L., & Roberts, J. E. (2024). Neural correlates of face processing among preschoolers with fragile X syndrome, autism spectrum disorder, autism siblings, and typical development. *Autism Research*, 17(1), 89-108.
11. Crawford, H., Oliver, C., Groves, L., Bradley, L., Smith, K., Hogan, A., ... & **Roberts, J.** (2023). Behavioural and physiological indicators of anxiety reflect shared and distinct profiles across individuals with neurogenetic syndromes. *Psychiatry Research*, 326, 115278.
12. Wall, C.A. & **Roberts, J.E.** (2023). Negative affect and respiratory sinus arrhythmia are differentially related to social anxiety and autism features in autistic preschoolers contrasted to fragile X syndrome. *Frontiers in Psychiatry*, doi: 10.3389/fpsy.2023.1151263. eCollection 2023.
13. Klusek, J., Will, E., Moser, C., Hills, K., Thurman, A. J., Abbeduto, L., & **Roberts, J. E.** (2023). Predictors, Parental Views, and Concordance Across Diagnostic Sources of Autism in Male Youth with Fragile X Syndrome: Clinical Best Estimate and Community Diagnoses. *Research on Child and Adolescent Psychopathology*, 1-16.



14. Klein, J., Kerns, C., Hills, K., Hogan, A., Matherly, S., & **Roberts, J.** (2023). Brief Report: Prevalence and Predictors of DSM-Specific and Distinct Anxiety in Cognitively Impaired Autistic Preschool Children. *Journal of Autism and Developmental Disorders*, 1-9.
15. Wall, C. A., Shic, F., Varanasi, S., & **Roberts, J. E.** (2023). Distinct social attention profiles in preschoolers with autism contrasted to fragile X syndrome. *Autism Research*, 1–15.
16. Hunt, E., Hogan, A., Will, E. A., & **Roberts, J. E.** (2023). ADHD and ASD symptoms in young males with fragile X syndrome: associations with early trajectories of inhibitory control. *Child Neuropsychology*, 1–27.
17. Guy, M. W., Richards, J. E., & **Roberts, J. E.** (2022). Cortical Source Analysis of the Face Sensitive N290 ERP Component in Infants at High Risk for Autism. *Brain Sciences*, 12(9), 1129.
18. Zheng, S., Kaat, A. J., 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. (2022). Bias in measurement of autism symptoms by spoken language level and nonverbal mental age in minimally verbal children with neurodevelopmental disorders. *Frontiers in Psychology*, 13, 927847.
19. Klusek, J., O'Connor, S. L., Hickey, A., Hills, K. J., Abbeduto, L., & **Roberts, J. E.** (2022). Attention/Deficit Hyperactivity Disorder in Adolescent and Young Adult Males With Fragile X Syndrome. *American Journal on Intellectual and Developmental Disabilities*, 127(3), 213–230.
20. Thurman, A. J., Swinehart, S. S., Klusek, J., **Roberts, J. E.**, Bullard, L., Marzan, J. C. B., Brown, W. T., & Abbeduto, L. (2022). Daily Living Skills in Adolescent and Young Adult Males With Fragile X Syndrome. *American Journal on Intellectual and Developmental Disabilities*, 127(1), 64–83.
21. Ezell, J., Hogan, A. L., Will, E., Smith, K., & **Roberts, J.** (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*, 12.
22. Guy, M. W., Richards, J. E., Hogan, A. L., & **Roberts, J. E.** (2021). Neural correlates of infant face processing and later emerging autism symptoms in fragile X syndrome. *Frontiers in Psychiatry*, 12, 716642.
23. Guy, M. W., Richards, J. E., Hogan, A. L., & **Roberts, J. E.** (2021). Neural correlates of infant face processing and later emerging autism symptoms in fragile X syndrome. *Frontiers in Psychiatry*, 12, 716642.
24. 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.
25. Hogan, A. L., Hunt, E., Smith, K., Black, C., Bangert, K., Klusek, J., & **Roberts, J.** (2021). Trajectories of Heart Activity Across Infancy to Early Childhood Differentially Predict Autism and Anxiety Symptoms in Fragile X Syndrome. *Frontiers in Psychiatry*, 12.
26. Guy, M. W., Black, C. J., Hogan, A. L., Coyle, R. E., Richards, J. E., & **Roberts, J. E.** (2021). A single-session behavioral protocol for successful event-related potential recording in children with neurodevelopmental disorders. *Developmental Psychobiology*, 63(7), e22194.
27. Larner, O., **Roberts, J.**, Twiss, J., & Freeman, L. (2021). A Need for Consistency in Behavioral Phenotyping for ASD: Analysis of the Valproic Acid Model. *Autism Research and Treatment*, 2021.
28. Wheeler, A. C., Gwaltney, A., Raspa, M., Okoniewski, K. C., Berry-Kravis, E., Botteron, K. N., Budimirovic, D., Hazlett, H. C., Hessel, D., Losh, M., Martin, G. E., Rivera, S. M., **Roberts, J. E.**, & Bailey, D. B. (2021). Emergence of Developmental Delay in Infants and Toddlers With an FMR1 Mutation. *Pediatrics*, 147(5).
29. Black, C. J., Hogan, A. L., Smith, K. D., & **Roberts, J. E.** (2021). Early behavioral and physiological markers of social anxiety in infants with fragile X syndrome. *Journal of Neurodevelopmental Disorders*, 13(1), 1–9.
30. Smith, K., Hogan, A. L., Will, E., & **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.
31. **Roberts, J. E.**, Bradshaw, J., Will, E., Hogan, A. L., 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.
32. Crawford, H., Abbeduto, L., Hall, S. S., Hardiman, R., Hessel, D., **Roberts, J. E.**, Scerif, G., Stanfield, A. C., Turk, J., & Oliver, C. (2020). Fragile X syndrome: an overview of cause, characteristics, assessment and management. *Paediatrics and Child Health*, 30(11), 400–403.

33. Conte, S., Richards, J. E., Guy, M. W., Xie, W., & **Roberts, J. E.** (2020). Face-sensitive brain responses in the first year of life. *NeuroImage*, *211*, 116602.
34. Hahn, L. J., Hamrick, L. R., Kelleher, B. L., & **Roberts, J. E.** (2020). Autism Spectrum Disorder-Associated Behavior in Infants with Down Syndrome. *Journal of Health Science & Education*, *4*(2), 1–6.
35. Rivera, S. M., **Roberts, J. E.**, Wheeler, A. C., & Hagerman, R. (2020). My Baby Has Just Been Diagnosed with Fragile X Syndrome: What is There to Know? In R. J. Hagerman & P. J. Hagerman (Eds.), *Fragile X Syndrome and Premutation Disorders: New Developments and Treatments* (pp. 99–111). Mac Keith Press.
36. Hogan, A. L., Hills, K. J., Wall, C. A., Will, E. A., & **Roberts, J.** (2020). Screening and Diagnosis of Autism Spectrum Disorder in Preschool-Aged Children. In V. C. Alfonso, B. A. Bracken, & R. J. Nagle (Eds.), *Psychoeducational Assessment of Preschool Children* (5th ed., pp. 323–345). Taylor & Francis.
37. Kelleher, B. L., Hogan, A. L., Ezell, J., Caravella, K., Schmidt, J., Wang, Q., & **Roberts, J. E.** (2020). Anxiety and threat-related attentional biases in adolescents with fragile X syndrome. *Journal of Intellectual Disability Research*, *64*(4), 296–302.
38. Moskowitz, L. J., Will, E. A., Black, C. J., & **Roberts, J. E.** (2020). Restricted and Repetitive Behaviors in Males and Females with Fragile X Syndrome: Developmental Trajectories in Toddlers Through Young Adults. *Journal of Autism and Developmental Disorders*, *50*(11), 3957–3966.
39. Crawford, H., Abbeduto, L., Hall, S. S., Hardiman, R., Hessel, D., **Roberts, J. E.**, Scerif, G., Stanfield, A. C., Turk, J., & Oliver, C. (2020). Fragile X syndrome: an overview of cause, characteristics, assessment and management. *Paediatrics and Child Health*, *30*(11), 400–403.
40. Klusek, J., Moser, C., Schmidt, J., Abbeduto, L., & **Roberts, J. E.** (2020). A novel eye-tracking paradigm for indexing social avoidance-related behavior in fragile X syndrome. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, *183*(1), 5–16.
41. 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*(23), 1–10.
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## DISSERTATION

Roberts, J.E. (1998). *Biobehavioral regulation in boys with fragile X syndrome* (Doctoral dissertation). Ann Arbor, MI: UMI Dissertation Services.

## TEACHING/INSTRUCTION

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Associate Professor/Professor, Department of Psychology, University of South Carolina

Graduate Courses:

PSYC 714	Childhood Cognitive Assessment
PSYC 716	Childhood Behavioral and Emotional Assessment
PSYC 841	Autism: Theory and Assessment

Undergraduate Courses:

PSYC 420	Developmental Psychology
PSYC 498	Independent Research Study

Clinical Assistant Professor, Education Department: UNC-CH

Undergraduate Courses Taught:

EDUC 496	Independent Research Study
EDUC 503	Early Childhood Professional Development
EDUC 401	Early Childhood Development
EDUC 502	Preschool/Kindergarten Internship
EDUC 405	Preschool/Kindergarten Internship Seminar

Graduate Courses Taught:

EDUC 761	Professional Development and Leadership
EDUC 665	Assessment Strategies: Practicum Supervision

Co-Instructor, Department of Psychology: UNC-CH

Undergraduate Courses Co-Taught:

Psych 395	Independent Research
Psych 693/694	Honors Research

Student Committees – Chair/Primary Advisor  
University of South Carolina

**Doctoral Advisor:** Emily Powell, Lindsay McCary, Lisa Richardson, Bridgette Tonnsen,

Ashley Robinson, Marissa Mounts, Marjorie Grefer, Jessica Scherr, Julie Kellett, Kelly Caravella, Sara McGrath Matherly, Debra Reisinger, Carla Wall, Jordan Ezell, Shannon O'Connor, Carla Wall, Conner Black, Erin Hunt, Chandler Knott, Rachel Hantman, Katilyn Cortez

**Post-Doctoral Mentor:** Lindsay McDonald, Jessica Klusek, Laura Hahn, Abigail Hogan, Elizabeth Will, Katherine Bangert, Holley Arnold, Lisa Hamrick

Research Advisor	1998-1999
Division of Occupational Therapy, UNC-CH	
University of North Carolina at Chapel Hill	

## COMMITTEE ACTIVITIES

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Chair: Psychology Department Curriculum Committee	2012-2018
Department of Psychology, USC: Ombudsman	2009-2018
Psychology Faculty Search Committees (3): USC	2008-2011
Doctoral Dissertation Committee Member: School Psychology, UNC –CH	2002-2008
Co-Chair, Orange County Educational Enrichment Committee	2006-2008
Primary Advisor, Undergraduate Honor's Thesis: Psychology, UNC-CH	2006-2007
Student Admissions Committee, Education Department, UNC	2002
Search Committee for FPG Child Care Director	2002
Student Review Committee - Friday Search Committee: UNC	1996
Chair of Research Review- Palm Beach County School Psychologists	1993-1995

## SPECIALIZED TRAINING

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Anxiety Disorders Interview Schedule-Autism Addendum University of British Columbia; Trainer: Dr. Conner Kerns	2019
Heart Rate Defined Sustained Attention Purdue University; Trainer: Dr. Bridgette Tonnsen	2019
Preschool Age Psychiatric Assessment (PAPA) Duke University; Trainer: Brian Smalls	2014
Autism Diagnostic Observation Scale, Research Reliable Greenwood Genetics Center; Trainer: Dr. Lucia Horowitz	2011
Autism Observation Scale for Infants, Research Reliable University of Alberta; Trainer: Dr. Lonnie Zwaigenbaum	2009
Autism Diagnostic Interview-Revised, Research Reliable University of Chicago; Trainer: Dr. Catherine Lord	2001
Neonatal Assessment: Brazelton Wake Regional Medical Center; Supervisor: Dr. James Helm	1996
Pediatric Neuropsychological Assessment Duke University Medical Center; Supervisor: Dr. Karen O'Donnell	1997-1998

## INVITED TALKS

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Roberts, J. (2024, July). Untitled Talk. Presentation as part of the Fragile X Day, State House of South Carolina, Columbia, SC.

Hunt, E., Smith, J., Knott, C., Arnold, H., & **Roberts, J.** (2023, May 12). *The role of clinical best estimation in determining anxiety in genetic disorders*. Presentation as part of the Cerebra Network Workshop: Anxiety in Rare Genetic Syndromes, Warwick, England.



- Roberts, J. (2023, July). *Fragile X Syndrome as an Important Model for Research in South Carolina*. Presentation as part of the Fragile X Day, State House of South Carolina, Columbia, SC.
- Roberts, J. (2023, March). Untitled Talk, Presentation as part of the 34<sup>th</sup> SC Disability Advocacy Day, State House of South Carolina, Columbia, SC.
- Roberts, J. (2022, November). *FMR1 Mutations as a Model for Advancing Understanding of Individual Differences*, Presentation as part of series on Brain Health and Genetics, ABC Project, University of South Carolina, Columbia, SC.
- Roberts, J. (2022, November). *Value and Selection of Preliminary Data for Grant Applications*, Presentation as part of PROPEL Grant Training, University of South Carolina, Columbia, SC.
- Roberts, J. (2022, October). *Artificial Intelligence: Game Changer or Game Over?* University of South Carolina, Columbia, SC.
- Roberts, J. (2018, November). *Fragile X Syndrome: Model for Investigating Autism*. Presentation as part of Grand Rounds at the Medical University of South Carolina, Pediatrics, Charleston, SC.
- Roberts, J. (2018, July). *Fragile X Syndrome as an Important Model for Research in South Carolina*. Presentation as part of the Fragile X Day, State House of South Carolina, Columbia, SC.
- Roberts, J. (2018, February). *Early Signs of Autism in High Risk Groups*. Presentation as part of Grand Rounds at the University of South Carolina Medical School, Pediatrics, Charleston, SC.
- Roberts, J. E. (2017, March). *Anxiety in Autism and Fragile X Syndrome*. Presentation as part of Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Antonio, TX.
- Roberts, J. E. (2016, May). *Emergence of Autism in High-Risk Infants*. Presentation as part of the Second Annual Neuroscience Retreat, University of South Carolina, Columbia, SC.
- Roberts, J. E., Rague, L., & Porter, A. (2015, September). *Arousal and behavior in fragile X syndrome*. Presentation as part of the Fragile X Society Birmingham Conference, Birmingham, England.
- Roberts, J. E. (2015, April). *Early Detection of Autism*. Presentation as part of the Second Annual South Carolina Autism Conference, Columbia, South Carolina.
- Roberts, J. E. (2014, April). *Recognition of early signs of autism spectrum disorder*. Invited talk presented at the Columbia Autism Awareness Training, Family Connections, Columbia, SC.
- Roberts, J. E., McGrath, S., & Herron, A. (2013, September). *Early development in autism and fragile X syndrome*. Invited talk presented for the Neuroscience Colloquium Series in the Communication Sciences and Disorders graduate program at the University of South Carolina, Columbia, SC.
- Roberts, J. E., Caravella, K. E., & Mazur, E., (2013, September). *Neurodevelopmental Disorders and The DSM 5*. Invited talk presented at the South Carolina Commission on Prosecution Coordination, Columbia, SC.
- Roberts, J. E. (2012, September). *Heart activity and autistic behavior in infants with fragile X syndrome*. Invited talk presented at the 16<sup>th</sup> World Congress of International Organization of Psychophysiology, Pisa, Italy.
- Roberts, J. E. (2012, August). *Early detection of autism: Autism research*. Invited talk presented at the South Carolina Autism Forum, Greenville Hospital System, Greenville, SC.
- Roberts, J. E., (2012, May). *Early detection of autism in fragile X syndrome*. Invited talk presented at the Medical Investigation of Neurodevelopmental Disorders (MIND) Institute, University of California, Davis.
- Roberts, J. E., (2012, January). *Early detection of autism as a public health concern*. Invited talk presented at the Science-Café Engenuity, Columbia, SC.
- Roberts, J. E. (2011, December). *Policy implications of early identification and treatment of autism in high risk populations*, Annual Meeting of the Research Consortium on Child and Family, Columbia, SC.
- Roberts, J. E. (2011, June). *Brain development and learning in young children*. Invited lecture series presented to EdVenture's Hands-On, Minds-On! Summer Institute for Teachers, Columbia, SC.
- Roberts, J. E. (2011, March). *Tips for success in a research career in NDD*. Invited panel presentation at the NIH-funded Interdisciplinary Training Conference in Developmental Disabilities, San Antonio, TX.
- Roberts, J. E. (2011, January). *Psychiatric co-morbidity in females with the FMR1 premutation*. Invited paper presented at Grand Rounds at the University of South Carolina Medical Center, Columbia, SC.

- Roberts, J. E. (2009, January). *Autism and fragile X syndrome*. Invited paper presented to undergraduate research forum on autism at Furman University, Greenville, SC.
- Roberts, J. E. (2006, July). *Psychophysiological studies in fragile X syndrome*. Invited paper presented as part of a NICHD-sponsored meeting on potential medication trials in fragile X syndrome, Atlanta, GA.
- Roberts, J. E. (2006, July). *Early development in infants with fragile X syndrome*. Invited paper presented as part of a symposium on early development and treatment of infants with fragile X syndrome at the 10<sup>th</sup> International Fragile X Conference, Atlanta, GA.
- Roberts, J. E., & Clark, R. D. (2006, February). *Fragile X syndrome and the classroom teacher*. Invited paper presented as part of the TEACCH Winter Inservice, Chapel Hill, NC.
- Roberts, J. E. (2005, October). *Arousal in fragile X syndrome*. Invited paper presented as part of the Biobehavioral Seminar Series at the Waisman Center, University of Wisconsin at Madison.

### **PRESENTATIONS: 2020-2025 only (88 out of 255 total)**

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- Dahlman, A. E., Arnold, H. P., Cortez, K., B., & **Roberts, J. E.** (2025, March 7). *RSA is not related to ADHD symptom severity in 3-to-8-year-olds with ASD* [Poster Session]. South Carolina Autism and Neurodevelopmental Disorders Consortium Research Symposium, Greenville, SC, United States.
- Hantman, R., Serang, S., & **Roberts, J.** (2024, July 8-11). *Longitudinal trajectories of parental stress from infancy to childhood in fragile X syndrome with and without co-occurring autism spectrum disorder* [Poster Session]. International Congress on Infant Studies, Glasgow, Scotland, United Kingdom.
- Cortez, K., Arnold, H., Hantman, R., Lynch, D., & **Roberts, J.** (2024, July 8-11). *Temperamental precursors to anxiety in children with elevated- and low-likelihood for autism spectrum disorder* [Poster Session]. International Congress on Infant Studies, Glasgow, Scotland, United Kingdom.
- Hamrick, L., & **Roberts, J.** (2024, May 30-June 1). *Delays in Language Milestones Predict Preschool Language Level in Children with Fragile X Syndrome* [Poster Session]. Symposium on Research in Child Language Disorders, Madison, WI, United States.
- Hantman, R. M., Serang, S., Hartley, S., Fairchild, A., & **Roberts, J. E.** (2024, May 15-18). *Parental Stress in Fragile X Syndrome: Elevated Stress Trajectories in Mothers of Children with Co-Occurring Autism Spectrum Disorder* [Poster Session]. International Society for Autism Research, Melbourne, Australia.
- Wall, C. A., Smith, K. D., Shic, F., Kelleher, B. L., & **Roberts, J. E.** (2024, May 15-18). *Heart Rate Defined Sustained Attention Relates to Visual Attention in High-Support Need Preschoolers with Autism and Fragile X Syndrome* [Poster Session]. International Society for Autism Research, Melbourne, Australia.
- Sarmukadam, K., **Roberts, J. E.**, & Hogan, A. L. (2024, May 15-18). *The Relationship between Specific Sensory Profiles and Anxiety Symptoms in Autistic Preschool Aged Children* [Poster Session]. International Society for Autism Research, Melbourne, Australia.
- Roberts, J. E.** (2024, April 17-19). In J. Moss (Chair), *Eye Tracking Technology as a tool for Understanding the Social Cognitive Pathways Associated with Social-Communication Differences in People with Genetic Syndromes*. [Symposium]. Gatlinburg Conference on Research & Theory in Intellectual and Developmental Disorders, Kansas City, MO, United States.
- Cortez, K., Hantman, R. M., Lynch, D. L., & **Roberts, J. E.** (2024, April 17-19). *Increased Effortful Control Predicts Reduced Anxiety in Preschoolers with Fragile X Syndrome* [Poster session]. Gatlinburg Conference on Research & Theory in Intellectual and Developmental Disorders, Kansas City, MO, United States.
- Pareshkoh, M. N., **Roberts, J. E.**, & Hogan, A. L. (2024, April 17-19). *The Role of Cognitive Abilities in Social Anxiety Symptoms Among Autistic and Neurotypical Preschoolers* [Poster session]. Gatlinburg Conference on Research & Theory in Intellectual and Developmental Disorders, Kansas City, MO, United States.
- Sarmukadam, K., **Roberts, J. E.**, & Hogan, A. L. (2024, April 17-19). *The Relationship between Anxiety and Sensory Symptoms in Preschoolers with Fragile X, Autism Spectrum Disorder, and Typical Development: A Cross-Sectional Study* [Poster session]. Gatlinburg Conference on Research & Theory in Intellectual and Developmental Disorders, Kansas City, MO, United States.

- Colombo, J., Jones, J., McIntyre, L. L., & **Roberts, J. E.**, & Bardhan, S. (2024, April 17-19). *Career Focused Funding Strategies* [Panel Session]. Gatlinburg Conference on Research & Theory in Intellectual and Developmental Disorders, Kansas City, MO, United States.
- Arnold, H., Smith, J. G., Hunt, E., Hogan, A. L., Fairchild, A., & **Roberts, J. E.** (2024, April 17-19). *Cardiac Indices of Frustration Regulation in Boys with Fragile X Syndrome: Relations with Attention Deficit/Hyperactivity Disorder Symptomology* [Poster session]. Gatlinburg Conference on Research & Theory in Intellectual and Developmental Disorders, Kansas City, MO, United States.
- Hogan, A.L., & **Roberts, J. E.** (2024, April 17-19). *Heart Activity in Infants and Young Children with Neurodevelopmental Disabilities*. In A. Hogan (Chair), [Symposium]. Gatlinburg Conference on Research & Theory in Intellectual and Developmental Disorders, Kansas City, MO, United States.
- Wellons, E., Arnold, H. P., & **Roberts, J. E.** (2024, April 19). *Cardiac Autonomic Measures of Frustration in Children with Autism Spectrum Disorder* [Poster session]. Discover USC, Columbia, SC, United States.
- Walker, S., Knott, C., Cortez, K., & **Roberts, J. E.** (2024, April 19). *Characterizing the relationship between baseline heart rate and sleep quality across children with fragile X syndrome, autism spectrum disorder, and typically developing controls* [Poster session]. Discover USC, Columbia, SC, United States.
- Torres, L., Arnold, H. P., Cortez, K., & **Roberts, J. E.** (2024, April 19). *Temperamental Precursors to Separation Anxiety: Sex Differences in Shyness and Fear among Preschoolers with ASD and Elevated Likelihood for ASD* [Poster session]. Discover USC, Columbia, SC, United States.
- Phelps, A., Hamrick, L., & **Roberts, J. E.** (2024, April 19). *Relationship between Language Development and Anxiety in Children with an FMR1 Mutation*. [Poster session]. Discover USC, Columbia, SC, United States.
- Ngo, N., Hunt, E., & **Roberts, J. E.** (2024, April 19). *Physiology, Anxiety, & Parenting Stress in Mothers of Children with Neurodevelopmental Disorders* [Poster session]. Discover USC, Columbia, SC, United States.
- Leary, E. Hantman, R. H., & **Roberts, J. E.** (2024, April 19). *Assessing Family Environment in Infants with Fragile X Syndrome* [Poster session]. Discover USC, Columbia, SC, United States.
- Hamrick, L. R., & **Roberts, J. E.** (2024, March 14-16). *Associations of Early Communication Inventories with Preschool Expressive Language Levels in Children with Fragile X Syndrome* [Poster session]. Meeting on Language on Language in Autism, Durham, NC, United States.
- Lynch, D. R., Arnold, H. P., Cortez, K. B., **Roberts, J.E.** (2024, March 22). *Attention-deficit/hyperactivity disorder symptom severity in preschoolers with the FMR1 premutation* [Poster session]. South Carolina Autism and Neurodevelopmental Disorders Consortium, Charleston, SC.
- Black, C. J., Hogan, A., & **Roberts, J. E.** (2023, May 3-6). *The emergence and predictive utility of early markers of social anxiety in young children with fragile X syndrome*. In E. Storch (Chair), David Zeaman Student Awards Session [Panel session]. International Society for Autism Research, Stockholm, Sweden.
- Hantman, R. M., Will, E. A., Layton, K., Hartley, S., Fairchild, A., & **Roberts, J. E.** (2023, May 3-6). *The Differential Impact of Parental Stress on Maternal-Child Cortisol Attunement in Neurotypical Development, Autism, and Fragile X Syndrome* [Poster Session]. International Society for Autism Research, Stockholm, Sweden.
- Hogan, A. L., Smith, K. D., Hunt, E., Fairchild, A., & **Roberts, J. E.** (2023, May 3-6). *Longitudinal Investigation of Anxiety Symptoms and Physiological Regulation in Young Autistic Children* [Poster Session]. International Society for Autism Research, Stockholm, Sweden.
- Caravella, K., Donovan, K., Hills, K., & **Roberts, J. E.** (2023, May 3-6). *Longitudinal Stability of Autism Spectrum Disorder Diagnoses in 2–7-Year-Old Males with Fragile X Syndrome* [Poster Session]. International Society for Autism Research, Stockholm, Sweden.
- Guy, M. W., Richards, J. E., Hogan, A. L., & **Roberts, J. E.** (2023, May 3-6). *Neural Correlates of Face Processing in Children with Fragile X Syndrome and Autism Spectrum Disorder* [Poster Session]. International Society for Autism Research, Stockholm, Sweden.
- Guy, M. W., Conte, S., Hogan, A. L., Bursalioglu, A., Richards, J. E., & **Roberts, J. E.** (2023, May 3-6). *The P1 Event-Related Potential Response Is Associated with Sensory Responsivity in Infants with Fragile X Syndrome and High Familial Risk for Autism* [Poster Session]. International Society for Autism Research, Stockholm, Sweden.

- Aloi, S., Hunt, E., & **Roberts, J. E.** (2023, April 21). *Examination of Genetic Associations with Autism Symptoms, Adaptive Living Skills, and Developmental Ability in Fragile X Syndrome* [Poster Session]. Discover USC, Columbia, SC, United States.
- Hunt, E., & **Roberts, J. E.** (2023, April 21). *Components of Self-regulation in Young Children with Fragile X Syndrome* [Poster Session]. Discover USC, Columbia, SC, United States.
- Ngo, N., Hunt, E., & **Roberts, J. E.** (2023, April 21). *The Relationship Between Genetic Markers: Physiological Activity & Anxiety in Female Adults with the FMR1 Premutation* [Poster Session]. Discover USC, Columbia, SC, United States.
- Steele, T., Hunt, E., & **Roberts, J. E.** (2023, April 21). *The Relationship Between Language Regression, Autism Spectrum Disorder & Fragile X Syndrome* [Poster Session]. Discover USC, Columbia, SC, United States.
- Valenta, I., Hunt, E., & **Roberts, J. E.** (2023, April 21). *Biobehavioral Mechanisms Underlying Frustration Tolerance in Children with Fragile X Syndrome* [Poster Session]. Discover USC, Columbia, SC, United States.
- Wellons, E., Gaita, A., Gardner, K., Lynch, D., Arnold, H., & **Roberts, J. E.** (2023, April 21). *Emotion Regulation Differences in Children with Fragile X Syndrome and Typically Developing Children* [Poster Session]. Discover USC, Columbia, SC, United States.
- King, T., Boyd, B., & **Roberts, J. E.** (2023, April 10-13). *Understanding Training Grants at Graduate and Post-Doctoral levels* [Symposium]. 55th Gatlinburg Conference, Kansas City, MO, United States.
- Arnold, H., Smith, J., Hunt, E., Hogan, A., & **Roberts, J. E.** (2023, April 10-13). *Physiological Reactivity to Frustration in Young Children with Fragile X Syndrome* [Poster Session]. 55th Gatlinburg Conference, Kansas City, MO, United States.
- Moser, C., Bryant, T., Thurman, A. J., Adlof, S., **Roberts, J. E.**, Abbeduto, L., & Klusek, J. (2023, April 10-13). *Understand Reading Comprehension in Youth with Fragile X Syndrome: An Application of the Simple View of Reading* [Poster Session]. 55th Gatlinburg Conference, Kansas City, MO, United States.
- Hunt, E., Arnold, H., & **Roberts, J.** (2023, April 10-13). *Executive Function in Middle Childhood in Fragile X Syndrome: Longitudinal Associations with Early Inhibitory Control and ASD Symptom* [Poster Session]. 55th Gatlinburg Conference, Kansas City, MO, United States.
- Guy, M. W., Conte, S., Hogan, A. L., Bursalioglu, A., Richards, J. E., & **Roberts, J. E.** (2023, March 23-25). *Neural Responses and Sensory Responsivity in Infants with Fragile X Syndrome and Familial Autism Risk* [Poster Session]. Society for Research in Child Development 2023 Biennial Meeting, Salt Lake City, UT, United States.
- Guy, M. W., Richards, J. E., Hogan, A. L., & **Roberts, J. E.** (2023, March 23-25). *Neural Correlates of Face Processing in Children with Fragile X Syndrome and Autism Spectrum Disorder* [Paper Presentation]. Society for Research in Child Development 2023 Biennial Meeting, Salt Lake City, UT, United States.
- Richards, J. E., Guy, M. W., Hogan, A. L., & **Roberts, J. E.** (2022, Sept. 28 – Oct. 2). *Event-related potentials in children with fragile X syndrome and autism spectrum disorder* [Paper Presentation]. Society for Psychophysiological Research, Vancouver, CA
- Will, E., Knott, C. & **Roberts, J.** (2022, July 7-10). *Developmental Cascades in Neurogenetic Conditions* [Poster Session]. International Congress of Infant Studies, Ottawa, Canada.
- Guy, M., Conte, S., Hogan, Bursalioglu, A., Richards, J., & **Roberts, J.** (2022, July 7-10). *The P1 event-related potential response and sensory responsivity in infants with fragile X syndrome and high familial risk for autism* [Poster Session]. International Congress of Infant Studies, Ottawa, Canada.
- Hunt, E., Will, E., & **Roberts, J.** (2022, June 22-25). *Executive Function and Adaptive Behavior Associations in School-Aged Children With Fragile X Syndrome.* [Poster Session]. 20th Annual American Academy of Clinical Neuropsychology Conference, Minneapolis, MN, United States.
- Hantman, R., Will, E. A., & **Roberts, J. E.** (2022, May 11-14). *Maternal Cortisol Predicts Child Cortisol in Autism Spectrum Disorder and Fragile X Syndrome* [Poster Session]. International Society for Autism Research, Austin, TX, United States.
- 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.

- Wall, C. A., & **Roberts, J. E.** (2022, May 11-14). *Biobehavioral Profiles of Social Impairments in Autism Spectrum Disorder and Fragile X Syndrome* [Poster Session]. International Society for Autism Research, Austin, TX, United States.
- Guy, M. W., Richards, J. E., Hogan, A. L., Black, C. B., & **Roberts, J. E.** (2022, May 11-14). *Neural Correlates of Face Processing in Children with Autism, Fragile X Syndrome, Unaffected Siblings of Children with Autism, and Typical Development* [Oral Presentation]. International Society for Autism Research, Austin, TX, United States.
- Guy, M. W., Conte, S., Hogan, A. L., Bursalioglu, A., Richards, J. E., & **Roberts, J. E.** (2022, May 11-14). *The P1 Event-Related Potential Response Is Associated with Sensory Responsivity in Infants with Fragile X Syndrome and High Familial Risk for Autism* [Oral Presentation]. International Society for Autism Research, Austin, TX, United States.
- Walker, S., Knott, C., & **Roberts, J.** (2022, April 22). *Maternal Mental Health and Associated Outcomes in Fragile X Syndrome* [Poster presentation]. Discover UofSC, Columbia, SC, United States.
- Knott, C., & **Roberts, J.** (2022, April 22). *Sensory Processing in Children with Fragile X Syndrome and Idiopathic Autism: Implications for Maladaptive Behavior and Within-Syndrome Heterogeneity* [Oral presentation]. Discover UofSC, Columbia, SC, United States.
- Gardner, K., Gaita, B., Carney, K., Bangert, K., & **Roberts, J.** (2022, April 22). *Relationship between RSA and Language Development* [Poster presentation]. Discover UofSC, Columbia, SC, United States.
- Black, C., Hogan, A., & **Roberts, J.** (2022, April 22). *A Comparison of Expressive, Receptive, and Pragmatic Language Ability and Autonomic Nervous System Functioning in Children with Autism* [Oral presentation]. Discover UofSC, Columbia, SC, United States.
- Bangert, K., & **Roberts, J.** (2022, April 22). *A Comparison of Expressive, Receptive, and Pragmatic Language Ability and Autonomic Nervous System Functioning in Children with Autism* [Poster presentation]. Discover UofSC, Columbia, SC, United States.
- Hunt, E., Will, E., Hogan, A., & **Roberts, J.** (2021, November 10-12). *Physiological and behavioral markers of autism symptoms in Fragile X syndrome and autism spectrum disorder* [Poster presentation]. International Society for Developmental Psychobiology Annual Meeting, Chicago, IL.
- Black, C. J., Guy, M., Hogan, A. L., Coyle, R. E., Richards, J. E., & **Roberts, J. E.** (2021, May 3-7). *Obtaining Valid ERP Data: Implementing a Single Session Behavioral Protocol for Valid EEG Data Collection* [Poster session]. International Society for Autism Research, Virtual Meeting.
- Hunt, E., Hogan, A. L., Tillman, E., & **Roberts, J.** (2021, May 3-7). *Child and Maternal Predictors of Dysfunctional Parent-Child Interactions in Families of Boys with Fragile X Syndrome* [Poster session]. International Society for Autism Research, Virtual Meeting.
- Hogan, A. L., Smith, K. D., Mian, N., Black, C. J., Knott, C. E., Moser, C. G., Hills, K., Fairchild, A., Carter, A. S., & **Roberts, J. E.** (2021, May 3-7). *Utility of the Modified Anxiety Dimensional Observation Scale (M-Anx-DOS) in Preschoolers with Autism Spectrum Disorder* [Poster session]. International Society for Autism Research, Virtual Meeting.
- Hogan, A. L., Hunt, E., Smith, K. D., Black, C. J., Bangert, K., Klusek, J., & **Roberts, J. E.** (2021, May 3-7). *Autonomic Nervous System Function Early in Development Predicts Later ASD and Anxiety Symptoms in Both Fragile X Syndrome and Typical Development* [Poster session]. International Society for Autism Research, Virtual Meeting.
- Robinson, I., Webb, M., Will, E., & **Roberts, J.** (2021, April 23). *Syndrome-Specific Attention Profiles in Infants with a Neurodevelopmental Disorder* [Poster session]. Discover UofSC, Columbia, SC, United States.
- Lindbom, J., Coyle, R., Black, C., Hogan, A., & **Roberts, J.** (2021, April 23). *Examining sex differences in anxiety symptoms and negative affect in preschoolers with autism spectrum disorder* [Poster session]. Discover UofSC, Columbia, SC, United States.
- McCarty, M., Coyle, R., Knott, C., Hogan, A., & **Roberts, J.** (2021, April 23). *Differences in Symptom Presentation of Anxiety Disorders in Children with Autism Spectrum Disorder, Younger Siblings of Children with Autism Spectrum Disorder, and Typically Developing Children* [Poster session]. Discover UofSC, Columbia, SC, United States.
- McGill, F., Smith, K., Hogan, A., & **Roberts, J.** (2021, April 23). *Relationship Between Social Motivation and Autism Symptom Severity in Autistic Children* [Poster session]. Discover UofSC, Columbia, SC, United States.

- Ricca, L., Smith, J., Hogan, A., & **Roberts, J.** (2021, April 23). *Relationship between restricted and repetitive behavior and anxiety in children with fragile X syndrome and autism spectrum disorder* [Poster session]. Discover UofSC, Columbia, SC, United States.
- Caputo, M., Smith, K., Hogan, A., & **Roberts, J.** (2021, April 23). *Eye Gaze and Heart Rate Deceleration as Indices of Attention in Autism* [Poster session]. Discover UofSC, Columbia, SC, United States.
- Dinu, I., Tillman, E., Smith, J., Hogan, A., & **Roberts, J.** (2021, April 23). *Rates and physiological predictors of anxiety and shyness in boys with fragile x syndrome, autism, and comorbid fragile x and autism* [Poster session]. Discover UofSC, Columbia, SC, United States.
- Henninger, E., Hunt, E., Smith, K., Hogan, A., & **Roberts, J.** (2021, April 23). *ASD Diagnostic Disparities between Males and Females* [Poster session]. Discover UofSC, Columbia, SC, United States.
- Varanasi, S., Wall, C., & **Roberts, J.** (2021, April 23). *Exploring Visual Social Attention between On-Screen and Real-Life Interactions in Preschoolers with Autism Spectrum Disorder* [Poster session]. Discover UofSC, Columbia, SC, United States.
- Mitta, A., Smith, K., Hogan, A., & **Roberts, J.** (2021, April 23). *Predictors of Comorbid Anxiety in Children Diagnosed With Fragile X Syndrome* [Poster session]. Discover UofSC, Columbia, SC, United States.
- Guy, M. W., Richards, J. E., Hogan, A. L., & **Roberts, J. E.** (2021, April 7–9). *Neural Correlates of Infant Face Processing and Autism Symptom Severity in Etiologically-Distinct High-Risk Participants*. In J. E. Roberts (Moderator). *Socio-cognitive abilities in children with Autism Spectrum Disorder* [Conference Session]. Society for Research in Child Development, Minneapolis, MN, United States.
- Knott, C., Will, E., & **Roberts, J. E.** (2021, April 5–8). *Sensory Processing and Maladaptive Behavior in Young Children with Autism Spectrum Disorder and Fragile X Syndrome with and without Comorbid Autism Spectrum Disorder* [Poster session]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, Kansas City, MO, United States.
- Hunt, E., Hogan, A., & **Roberts, J. E.** (2021, April 5–8). *Development of Inhibitory Control Across Early Childhood in Males and Females with Fragile X Syndrome* [Poster session]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, Kansas City, MO, United States.
- Smith, K., Hogan, A., Will, E., & **Roberts, J. E.** (2021, April 5–8). *Associations between Social Attention Bias, Anxiety, and Autism Symptomology across Neurodevelopmental Disorders* [Poster presentation]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, Kansas City, MO, United States.
- Black, C. J., Hogan, A. L., Coyle, R. E., & **Roberts, J. E.** (2021, April 5–8). *Longitudinal trajectories of respiratory sinus arrhythmia suppression predict social anxiety symptoms in fragile X syndrome* [Poster session]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, Kansas City, MO, United States.
- Waite, J., **Roberts, J.**, Bissell, S., Agar, G., Crawford, H., Moss, J., & Ellis, K. (2021, April 5–8). *Novel approaches to behavioural phenotype research in genetic syndromes associated with intellectual disability* [Symposium]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, Kansas City, MO, United States.
- Hogan, A. L., Black, C. J., & **Roberts, J. E.** (2020, June 3). *Rates and Stability of ADHD and Anxiety Diagnoses in Preschoolers with Autism Spectrum Disorder and Comorbid Intellectual Disability*. In C. Kerns (Chair), *Longitudinal Examinations of Mental Health Comorbidity in Young Children with ASD* [Panel session]. International Society for Autism Research, Seattle, WA, United States.
- 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.
- Wall, C. A., Hogan, A. L., & **Roberts, J. E.** (2020, June 3). *Biobehavioral Measurement of Autism Spectrum Disorder and Social Anxiety in Children with Neurodevelopmental Disorders* [Poster session]. International Society for Autism Research, Seattle, WA, United States.
- Hogan, A. L., Smith, K. D., Black, C. J., **Roberts, J. E.**, & Hunt, E. (2020, June 3). *Heart Activity across the First Six Years of Life in Children with ASD and Siblings of Children with ASD* [Poster session]. International Society for Autism Research, Seattle, WA, United States.
- Caravella, K. E., & **Roberts, J. E.** (2020, June 3). *Predicting Change in Autism Symptomatology in Young Males with Fragile X Syndrome* [Poster session]. International Society for Autism Research, Seattle, WA, United States.

- Guy, M., Richards, J. E., Hogan, A. L., & **Roberts, J. E.** (2020, June 3). *Face Specialization in 12-Month-Old Infants at High-Risk for Autism Spectrum Disorders* [Poster session]. International Society for Autism Research, Seattle, WA, United States.
- Black, C., Will, E., Hogan, A., & **Roberts, J.** (2020, July 6-9). *Early biobehavioral social features of infants with Down syndrome and fragile X syndrome* [Poster session]. International Congress of Infant Studies, Glasgow, Scotland.
- Guy, M., Richards, J., Hogan, A., & **Roberts, J.** (2020, July 6-9). *Face specialization and emerging symptoms of ASD in etiologically-distinct high-risk infants* [Poster session]. International Congress of Infant Studies, Glasgow, Scotland.
- Will, E., Knott, C., Smith, K., & **Roberts, J.** (2020, July 6-9). *Developmental Divergence in infancy: Profiles across genetic conditions and typically developing infants* [Poster session]. International Congress of Infant Studies, Glasgow, Scotland.
- Will, E., Smith, K., Kelleher, B., & **Roberts, J.** (2020, July 6-9). *Biobehavioral indices of sustained attention in infants with Down Syndrome, Fragile X Syndrome, and Typically Developing Infants* [Poster session]. International Congress of Infant Studies, Glasgow, Scotland.
- Smith, K. D., Hogan, A. L., Will, E. A., & **Roberts, J. E.** (2020, April 15-17). *Associations between Social Attention Bias, Anxiety, and Autism Symptomology across Neurodevelopmental Disorders* [Conference session]. Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, CA, United States. (Conference canceled)
- Coyle, R., Hogan, A., & **Roberts, J. E.** (2020, April 15-17) *Gesture Use Predicting Receptive and Expressive Language Skills in 24 month old children with FXS* [Poster session]. Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, CA, United States. (Conference canceled)
- Knott, C., Will, E. A., & **Roberts, J. E.** (2020, April 15-17). *Sensory Processing and Maladaptive Behavior in Young Children with Autism Spectrum Disorder and Fragile X Syndrome with and without Comorbid Autism Spectrum Disorder* [Poster session]. Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, CA, United States. (Conference canceled)