

JANE E. ROBERTS, Ph.D.

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EDUCATION

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

Associate Dean for Natural Sciences	College of Arts and Sciences, University of South Carolina	2022-present
Carolina Distinguished Professor	Department of Psychology, University of South Carolina	2020-present
Professor	Department of Psychology, University of South Carolina School Psychology program: APA and NASP accredited Clinical-Community program: APA accredited	2013-present
Faculty Affiliate	Institute for Mind and Brain University of South Carolina	2013-present
Department Chair	Department of Psychology, University of South Carolina	2019-2022
Interim Chair	Department of Psychology, University of South Carolina	2018-2019
Adjunct Professor	Biomedical & Psychological Sciences, Monash University, Melbourne Australia	2014-2018
Program Director	School Psychology Program, Department of Psychology University of South Carolina	2013-2016
Adjunct Assistant Professor	University of North Carolina at Chapel Hill Department of Allied Health Sciences, School of Medicine The Division of Speech and Hearing Sciences	2009-2012
Associate Professor	Department of Psychology, University of South Carolina School Psychology program: APA and NASP accredited	2008-2013
Scientist	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
Investigator	FPG Child Development Institute, University of North Carolina at Chapel Hill Early Development in Fragile X Syndrome	1999-2006
Clinical Assistant Professor	Education Department, University of North Carolina at Chapel Hill	1998-2008
Post-Doctoral Fellow	FPG Child Development Institute, University of North Carolina at Chapel Hill	1998-1999

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

AFFILIATIONS/CERTIFICATIONS

Autism Baby Siblings Research Consortium, Member
 American Psychological Association
 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

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

Principal Investigator	2022-2027
R01 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) R01 AG073374 <i>Aging Symptom Trajectories in Mother Carriers of the FMR1 Premutation</i> National Institute on Aging, \$3,545,468	2022-2027
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	2022-2027
Faculty Investigator (Magellan Scholar: Isabela Valenta) <i>Biobehavioral Mechanisms Underlying Frustration Tolerance in Children with Fragile X Syndrome</i> Magellan Journey Grant, University of South Carolina	2022
Faculty Investigator (Magellan Scholar: Kayleigh Gardner) <i>Relationship Between Early Childhood Arousal and Later Language Abilities in Children with Fragile X Syndrome and Autism Spectrum Disorder</i> Magellan Journey Grant, University of South Carolina	2022
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	2021-2026
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
Principal Faculty Investigator (Magellan Scholar: Sreeja Varanasi) <i>Exploring Visual Social Attention between On-Screen and Real-Life Interactions in Preschoolers with Autism Spectrum Disorder</i> Magellan Scholarship Grant, University of South Carolina	2020
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
Principal Investigator <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
Primary Faculty Investigator (Exploration Recipient: Hannah Pressler) <i>Exploring Relationships Between Neurodevelopmental Disorders</i> Exploration Scholars Fellowship, University of South Carolina	2019-2020
Primary Faculty Investigator (Exploration Recipient: Isabelle Robinson) <i>Attentional Mechanisms in Infants with Neurodevelopmental Disorders</i>	2019-2020

Exploration Scholars Fellowship, University of South Carolina	
Principal Faculty Investigator (Magellan Scholar: Margaret Besse) <i>Sensory Processing and Anxiety in Autism Siblings</i> Magellan Scholarship Grant, University of South Carolina	2019
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> National Institute of Child Health and Human Development; \$3,427,394	2018-2023
Principal Faculty Investigator (SURF Recipient: Margaret Besse) <i>Comorbidities and Early Indicators of Autism</i> Science Undergraduate Research Fellowship, University of South Carolina	2018-2019
Principal Faculty Investigator (Exploration Recipient: Ramsey Coyle) <i>Relationship Between Early Childhood Behavior and Later ADHD in Children with FXS</i> Exploration Scholars Fellowship, University of South Carolina	2018-2019
Principal Faculty Investigator (SURF Recipient: Alexis Vetack) <i>Examining Pre-indicators of Autism in Infants</i> South Carolina Honors College Grant, University of South Carolina	2018-2019
Faculty Investigator (SCHC Grant Recipient: Malorie Webb) <i>Exploring Relationships Between Neurodevelopmental Disorders</i> South Carolina Honors College Grant, University of South Carolina	2018-2019
Principal Faculty Investigator (Magellan Scholars: Chandler Knott, Allison Vittes) <i>Early Features of Anxiety Behavior in Infants at Risk for Autism Spectrum Disorders</i> Magellan Scholarship Grant, University of South Carolina	2017
Principal Faculty Investigator (Magellan Scholars: Hannah Thomas, Nicole Vonda) <i>Language and Cognition as Predictors of Change in Social Communication in Young Children with Fragile X Syndrome</i> Magellan Scholarship Grant, University of South Carolina	2017
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 MH107573-01A <i>Emergence, Stability and Predictors of Anxiety in Fragile X Syndrome</i> National Institute of Mental Health, \$3,468,724	2016-2022
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>	2016-2022

National Institute of Mental Health, \$3,427,694	
Principal Faculty Investigator (Magellan Scholar: Carly Moser) <i>Cardiac Arousal Regulation and Anxiety in Women with the FMR1 Premutation</i> Magellan Scholarship Grant, University of South Carolina	2016
Principal Faculty Investigator (Magellan Scholar: Gabrielle Mazzeo) <i>Neurodevelopmental Disorders Lab Pre-School Study</i> Magellan Scholarship Grant, University of South Carolina	2016
Faculty Investigator (Magellan Scholars: Alexis Charles, Adilen Cruz) <i>Comparison of Executive Function in Mother's with FMR1 Premutation</i> Magellan Scholarship Grant, University of South Carolina	2016
Principal Faculty Investigator (Magellan Scholar: Anna Porter) <i>Language Dysfluencies and the Aging Cognitive Phenotype of Mothers with the Fragile X Premutation</i> Magellan Scholarship Grant, University of South Carolina	2016
Principal Investigator R01 MH090194-02S2 <i>Emergence and Stability of Autism in Fragile X Syndrome</i> <i>Administrative Supplement: Sex Effects in Emergence of Autism in Fragile X</i> National Institute of Mental Health, \$84,921	2015-2016
Principal Faculty Investigator (Magellan Scholar: Alexis Brewe) <i>Social Communication as an Early Indicator of Autism in High-Risk Infants</i> Magellan Scholarship Grant, University of South Carolina	2015
Principal Faculty Investigator (Magellan Scholar: Killian Hughes) <i>Gesture Development as an Early Marker of Communication Deficits in Children with Fragile X Syndrome</i> Magellan Scholarship Grant, University of South Carolina	2015
Principal Faculty Investigator (Magellan Scholar: Geoffrey Marston) <i>Mechanisms of Executive Function Impairment In Women With The FMR1 Premutation</i> Magellan Scholarship Grant, University of South Carolina	2015
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
Principal Faculty Investigator (Magellan Scholar: Claire Harryman) <i>Atypical Heart Defined Sustained Attention as an Early Marker of Autism</i> Magellan Scholarship Grant, University of South Carolina	2014
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

Principal Faculty Investigator (Magellan Scholars: Aimee Herron, Erica Mazur) <i>Language Delays and Atypical Attention as Early Markers of Autism</i> Magellan Scholarship Grant, University of South Carolina, \$5,000	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</i> <i>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
Principal Faculty Investigator (Magellan Scholar: Sara Deal) <i>Autism Risk and Attention Disengagement</i> Magellan Scholarship Grant, University of South Carolina, \$2,500	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
Principal Faculty Investigator (Magellan Scholar: Bailey Tackett) <i>Early Detection of Autism in Fragile X Syndrome</i> Magellan Scholarship Grant, University of South Carolina, \$2,500	2010-2011

Co-Investigator, R01 (PI: David Zajac, Ph.D.)
2 R01 HD044935-06A1
Speech of Young Males with Fragile X Syndrome
National Institute of Child Health & Human Development, \$1,746,592

Principal Faculty Investigator (Magellan Scholar: Meredith James)
Sensory Treatment for Children with Autism
Magellan Scholarship Grant, University of South Carolina, \$3,000

Co-Investigator, R01 (PI: Paul Yoder, Ph.D.)
1 R01 DC006893-01A2
Predicting Useful Speech in Children with Autism
National Institute on Deafness and Other Communication Disorders, \$985,000

Principal Faculty Investigator (Advantage Scholar: Caitlin McLearn)
Biobehavioral Indices of Cognitive and Behavioral Outcomes in FXS
Furman Advantage Scholarship Grant, Furman University, \$3,000

Principal Investigator
Molecular-Clinical Correlates in Fragile X Syndrome
National Fragile X Foundation, \$65,000

Principal Faculty Investigator (Student Investigator: Janette Dill)
Physiological Underpinning of Sensory Modulation in Toddlers with FXS
National Fragile X Foundation; \$2,500

Co-Director (PI: Don Bailey, Ph.D.)
3 P30 HD003110-35S1
Data Collection Core: Family Adaptation to FXS
National Institute of Child Health and Human Development, \$947,284

Co-Investigator, P30 (PI: Deborah Hatton, Ph.D.)
3 P30 HD003110-35S1
Family Adaptation to Temperament and Challenging Behavior in FXS
National Institute of Child Health and Human Development, \$834,934

Co-Investigator, R01 (PI: Don Bailey, Ph.D.)
Attention, Memory, and Executive Function in FXS
National Institute of Child Health and Human Development, \$1,267,422

Project Director (PI: Don Bailey, Ph.D.)
Fragile X Information Web Site
Ronald McDonald House Charities, \$272,558

Project Director (PI: Don Bailey, Ph.D.)
Early Identification of Children with FXS
U.S. Department of Education, OSEP, \$859,251

Co-Principal Investigator; Post-Doctoral Grant
Psychophysiological Measures of Arousal
FRAXA Research Foundation, \$65,000

Student Principal Investigator (Faculty Mentor: Don Bailey, Ph.D.)
H023B70035
Biobehavioral Regulation in Boys with Fragile X Syndrome
U.S. Department of Education and Rehabilitation Services:

Special Education Program, \$19,995

SERVICE/COMMUNITY OUTREACH

Grant Reviewer:

National Institute of Mental Health
 Chair, Child Psychopathology Developmental Disabilities Section (CPDD) 2019-2020

Grant Reviewer:

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: *American Journal of Intellectual and Developmental Disabilities* 2018-2020
 2
 Guest Co-Editor: *American Journal of Intellectual and Developmental Disabilities*.
 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: *Frontiers in Developmental Psychology* 2009-current
American Journal of Intellectual and Developmental Disabilities 2011-2018

Journal Reviews:

Ad-Hoc Journal Reviewer: *Biological Psychiatry*; *Journal of Pediatric Psychology*;
Developmental Psychobiology; *Autism*; *Genes, Brain, and Behavior*; *Developmental
 Neuropsychology*; *Health Psychology*; *American Journal on Intellectual and
 Developmental Disabilities*; *Journal of Autism and Developmental Disorders*; *Journal of Early
 Intervention*; *Journal of Clinical Genetics*; *Journal of Intellectual Disability Research*; *Journal of
 Applied Biobehavioral Research*; *Journal of Medical Genetics: Part B*, *Journal of
 Neurodevelopmental Disorders*

Departmental/University Roles:

Chair, Department of Psychology 2019-2022
 Interim Chair, Department of Psychology 2018-2019
 Department of Psychology Ombudsman 2009-2018
 Faculty Senate Representative: Department of Psychology 2011-2014
 Curriculum Committee: Chair: Departmental and School Program Committees 2010-2018
 Program Director: School Psychology Program 2013-2016

PUBLICATIONS

1. 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. <https://doi.org/10.3389/fpsyg.2022.927847>
2. 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. <https://doi.org/10.1352/1944-7558-127-3-213>
3. 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. <https://doi.org/10.1352/1944-7558-127.1.64>
4. Ezell, J., Hogan, A. L., Will, E., Smith, K., & **Roberts, J.** (2021). 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*. <https://doi.org/10.3389/fpsyg.2021.729127>
5. 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.
6. 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.
7. 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*.
8. 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.
9. Lerner, 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.
10. Wheeler, A. C., Gwaltney, A., Raspa, M., Okoniewski, K. C., Berry-Kravis, E., Botteron, K. N., Budimirovic, D., Hazlett, H. C., Hessler, 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).
11. 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.
12. 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.
13. **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.
14. Crawford, H., Abbeduto, L., Hall, S. S., Hardiman, R., Hessler, 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.
15. 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.
16. 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.
17. 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.

18. 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.
19. 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.
20. 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.
21. 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.
22. 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.
23. 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.
24. **Roberts, J. E.**, Crawford, H., Hogan, A. L., Fairchild, A., Tonnsen, B., Brewe, A., O’Conner, S., Roberts, D. A., Abbeduto, L. (2019). Social Avoidance Emerges in Infancy and Persists into Adulthood in Fragile X Syndrome. *Journal of Autism and Developmental Disorders*, *49*(9), 3753–3766.
25. 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 Developmental Disorders*, *11*(1), 1–11.
26. Tonnsen, B. L., Wheeler, A. C., Hamrick, L. R., & Roberts, J. E. (2019). Infant Temperament in the *FMR1* Premutation and Fragile X Syndrome, *Journal of Clinical Child & Adolescent Psychology*, *48*(3), 412–422
27. Hughes, K. R., Hogan, A. L., **Roberts, J. E.**, & Klusek, J. (2019). Gesture Frequency and Function in Infants With Fragile X Syndrome and Infant Siblings of Children With Autism Spectrum Disorder. *Journal of Speech, Language, and Hearing Research*, *62*(7), 2386–2399.
28. **Roberts, J. E.**, Crawford, H., Will, E. A., Hogan, A. L., McQuillin, S., Tonnsen, B. L., O’Conner, 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.
29. **Roberts, J. E.**, Ezell, J. E., Fairchild, A. J., Klusek, J., Thurman, A. J., McDuffie, A., & Abbeduto, L. (2018). Biobehavioral composite of social aspects of anxiety in young adults with fragile X syndrome contrasted to autism spectrum disorder. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, *177*(7), 665–675.
30. Brewe, A. M., Reisinger, D. L., Adlof, S. M., & **Roberts, J. E.** (2018). Initiating joint attention use in infants at high-risk for autism spectrum disorder. *Journal of Intellectual Disability Research*, *62*(10), 842–853.
31. Abbeduto, L., Thurman, A. J., McDuffie, A., Klusek, J., Feigles, R. T., Brown, W. T., ... & **Roberts, J. E.** (2018). ASD comorbidity in Fragile X Syndrome: Symptom profile and predictors of symptom severity in adolescent and young adult males. *Journal of Autism and Developmental Disorders*, *49*(3), 1–18.
32. Rague, L., Caravella, K., Tonnsen, B., & **Roberts, J. E.** (2018). Early gesture use in fragile X syndrome. *Journal of Intellectual and Disability Research*, *62*(7), 625–636.
33. Adlof, S. M., Klusek, J., Hoffmann, A., Chitwood, K. L., Brazendale, A., Riley, K., Abbeduto, L., & **Roberts, J. E.** (2018). Reading in children with fragile X syndrome: Phonological awareness and feasibility of intervention. *American Journal of Intellectual and Developmental Disabilities*, *123*(3), 193–211.
34. Klusek, J., Fairchild, A. J., & **Roberts, J. E.** (2018). Vagal tone as a putative mechanism for pragmatic competence: an investigation of carriers of the *FMR1* premutation. *Journal of Autism and Developmental Disorders*, *49*(3), 1–12.

35. Klusek, J., Porter, A., Abbeduto, L., Adayev, T., Tassone, F., Mailick, M., ... & **Roberts, J.** (2018). Curvilinear association between language disfluency and FMR1 CGG repeat size across the normal, intermediate, and premutation range. *Frontiers in Genetics*, 9, 344.
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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

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

Master's Advisor: Bridgette Tonnsen, Ashley Robinson, Marissa Mounts, Marjorie Grefer, Jessica Scherr, Sara McGrath, Debra Reisinger, Kelly Caravella, Sara McGrath, Jordan Ezell, Shannon O'Connor, Carla Wall, Conner Black, Erin Hunt, Chandler Knott

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

Post-Doctoral Mentor: Lindsay McDonald, Jessica Klusek, Laura Hahn, Abigail Hogan, Elizabeth Will, Katherine Bangert

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

COMMITTEE ACTIVITIES

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

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:

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 16th 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 10th 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: 2017-2022 only (103 out of 233 total)

- 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.
- 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)
- Wall, C. A., Hogan, A. L., Wang, Q., Shic, F., & **Roberts, J. E.** (2019, May). *Overall Attention to a Dynamic Social Scene in Preschoolers with Autism Spectrum Disorder and Fragile X Syndrome* [Poster session]. International Society for Autism Research (INSAR) Annual Meeting, Montreal, Canada.
- Coyle, R. E., Hogan, A. L., **Roberts, J. E.** (2019, May). *Early Activity Level and Later ASD Symptoms and Attention Problems in Children with FXS* [Poster session]. International Society for Autism Research (INSAR) Annual Meeting, Montreal, Canada.
- 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* [Poster session]. International Society for Autism Research (INSAR) Annual Meeting, Montreal, Canada.
- 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 session]. International Society for Autism Research (INSAR) Annual Meeting, Montreal, Canada.
- Black, C. J., Hogan, A. L., Smith, K. D., & **Roberts, J. E.** (2019, May). *Respiratory Sinus Arrhythmia Predicts Fear Longitudinally in Infants and Children with FXS, ASD, and Typical Development* [Poster session]. International Society for Autism Research (INSAR) Annual Meeting, Montreal, Canada.
- Hogan, A. L., Black, C. J., Escorcía, J., Guy, M., McPartland, J., Richards, J. E., & **Roberts, J. E.** (2019, May). *ERP Responses to Social Stimuli and ASD Symptoms in "Unaffected" Siblings of Children*

- with Autism Spectrum Disorder* [Poster session]. International Society for Autism Research (INSAR) Annual Meeting, Montreal, Canada.
- 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 session]. International Society for Autism Research (INSAR) Annual Meeting, Montreal, Canada.
- Smith, J. G., Hogan, A. L., Smith, K. D., & **Roberts, J. E.** (2019, May). *Examining Underlying Mechanisms of Emotional Regulation in Toddlers with Fragile X Syndrome* [Poster session]. International Society for Autism Research (INSAR) Annual Meeting, Montreal, Canada.
- Smith, K. D., Smith, J. G., Hogan, A. L., & **Roberts, J. E.** (2019, May). *Physiological Responses to Social and Object Fear in Children with Autism Spectrum Disorder and Fragile X Syndrome* [Poster session]. International Society for Autism Research (INSAR) Annual Meeting, Montreal, Canada.
- Besse, M., Sullivan, M. E., **Roberts, J. E.**, Ezell, J. A., & Knott, C. E. (2019, April). *The Relationship Between Atypical Sensory Processing and Anxiety in Siblings of Children with Autism Spectrum Disorder* [Poster session]. Discover USC 2019 at the University of South Carolina, Columbia, SC.
- Lowe, E., Smith, K. D., Hogan, A. L., **Roberts, J. E.** (2019, April). *Infant Baseline Physiology as a Marker of Anxiety in Children with Fragile X Syndrome* [Poster session]. Discover USC 2019 at the University of South Carolina, Columbia, SC.
- Ezell, J. A., & **Roberts, J. E.** (2019, April). Rates and Predictors of Anxiety in Preschoolers with Autism Spectrum Disorder [Poster session]. Discover USC 2019 at the University of South Carolina, Columbia, SC.
- Tillman, E., Schermbeck, B., O'Connor, S. L., Black, C. J., Will, E. A., & **Roberts, J. E.** (2019, April). *The impact of Autism symptoms on the prevalence of ADHD in children with Autism Spectrum Disorder and Fragile X Syndrome* [Poster session]. Discover USC 2019 at the University of South Carolina, Columbia, SC.
- Haley, M., Smith, K. D., Smith, J. G., Hogan, A. L., & **Roberts, J. E.** (2019, April). *Physiological Regulation of Frustration and Externalizing Behaviors in Preschoolers with Autism Spectrum Disorder* [Poster session]. Discover USC 2019 at the University of South Carolina, Columbia, SC.
- Ezell, J. A., Will, E. A., Hills, K. J., & **Roberts, J. E.** (2019, April). *Sensory Processing and Anxiety Symptoms in Preschool Children with Fragile X Syndrome and Autism Spectrum Disorder* [Poster session]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Antonio, TX.
- Black, C. J., Hogan, A. L., Smith, K. D., & **Roberts, J. E.** (2019, April). *Respiratory Sinus Arrhythmia Predicts Fear Longitudinally in Both Children with Fragile X Syndrome and Typically Developing Controls* [Poster session]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Antonio, TX.
- Wall, C. A., Hogan, A. L., Wang, Q., & **Roberts, J. E.** (2019, April). *Overall Attention to a Dynamic Social Scene in Preschoolers with Fragile X Syndrome* [Poster session]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Antonio, TX.
- O'Connor, S. L., Hills, K. J., Will, E. A., & **Roberts, J. E.** (2019, April). *The Impact of Mental Age on ADHD Diagnosis in Preschoolers with Fragile X Syndrome and Autism Spectrum Disorder* [Poster session]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Antonio, TX.
- Hogan, A. L., Black, C. J., Escorcía, J., Guy, M., Richards, J. E., & **Roberts, J. E.** (2019, April). *Associations between ERP Responses to Social Stimuli and ASD Symptoms in "Unaffected" Siblings of Children with Autism Spectrum Disorder* [Conference Symposium]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Antonio, TX.
- Guy, M., Hogan, A. L., Richards, J. E., & **Roberts, J. E.** (2019, April). *Infant ERP Responses and Later Emerging Symptoms of ASD in Etiologically-Distinct High-Risk Groups* [Conference Symposium]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Antonio, TX.
- 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* [Conference Symposium]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Antonio, TX.
- 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* [Conference

- Symposium]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Antonio, TX.
- Smith, K. D., Hogan, A. L., & **Roberts, J. E.** (2019, March). *Social and Object Attention as Markers of Autism and Anxiety in Toddlers with Neurodevelopmental Disorders* [Poster session]. South Carolina Autism and Neurodevelopmental Disorders (SCAND) Research Symposium, Charleston, SC.
- Moser, C., Knott, C., Will, E. A., & **Roberts, J. E.** (2019, March). *Sensor Over-Responsivity as it Relates to Sleep Disturbances in Fragile X Syndrome and Autism Spectrum Disorder* [Poster session]. South Carolina Autism and Neurodevelopmental Disorders (SCAND) Research Symposium, Charleston, SC.
- Coyle, R., O'Connor, S. L., Wall, C. A., Will, E. A., & **Roberts, J. E.** (2019, March). *Measures of Infant behavior and their predictive power for later ADHD in children with FXS* [Poster session]. South Carolina Autism and Neurodevelopmental Disorders (SCAND) Research Symposium, Charleston, SC.
- Brewe, A., Hogan, A., Knott, C., & **Roberts, J. E.** (2018, May) *Vagal Tone as a Predictor of Separation Anxiety in Preschoolers at Elevated Risk for ASD* [Poster session]. International Society for Autism Research Annual Meeting, Rotterdam, Netherlands.
- Besse, M., Mazzeo, G., O'Connor, S., & **Roberts, J.** (2018, April) *Heart Rate Associations to ADHD Symptoms in Infants and Preschoolers with FXS* [Poster session]. Discovery Day 2018 at the University of South Carolina, Columbia, SC.
- Bustamante, B., Hogan, A. L., & **Roberts, J. E.** (2018, April). *Determining parenting stress and stress-reducing resources available for parents of children with autism spectrum disorder*. Poster presented at Discovery Day 2018 at the University of South Carolina, Columbia, SC.
- Coyle, R., Thornton, B., Sakamoto, I., Wall, C., & **Roberts, J. E.** (2018, April) *Examining Sex Differences in Disorders Comorbid with Fragile X Syndrome*. Poster presented at Discovery Day 2018 at the University of South Carolina, Columbia, SC.
- Engbrethson, M., Rondinelli, A., Livingston, H., Black, C., & **Roberts, J. E.** (2018, April). *The effect of gender on early markers of social anxiety in fragile X syndrome* [Poster session]. Discovery Day 2018 at the University of South Carolina, Columbia, SC.
- Ezell, J., Will, E., Brewe, A., McQuillin, S., & **Roberts, J.** (2018, April). *Negative Affect and Physiological Startle Response in Children with Fragile X Syndrome* [Conference Symposium]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Diego, CA.
- Ezell, J., Will, E., McQuillin, S., & **Roberts, J.** (2018, May). *Physiological Startle Response in Children with Fragile X Syndrome and Autism Spectrum Disorder* [Poster session]. International Society for Autism Research Annual Meeting, Rotterdam, Netherlands.
- Hogan, A.L., Poupore, N., & **Roberts, J. E.** (2018, April). *Behavioral and physiological social anxiety risk factors across the first two years of life in siblings of children with autism spectrum disorder*. In A.L. Hogan (Chair), *Risk and Resilience in Infant Siblings of Children with Autism Spectrum Disorder* [Symposium]. Gatlinburg Conference on Research & Theory in Intellectual and Developmental Disorders, San Diego, CA.
- Hogan, A. L., Poupore, N., & **Roberts, J. E.** (2018, May). *A longitudinal analysis of early social anxiety risk factors in siblings of children with autism spectrum disorder* [Poster session]. International Society for Autism Research, Rotterdam, Netherlands.
- Marshall, W., Ross, S., Caravella, K., & **Roberts, J. E.** *A Comparative Look at Social Interactions: Comparing Social Skills Between Males Diagnosed with Fragile X Syndrome and Males Diagnosed with Autism Spectrum Disorder* [Poster session]. Discovery Day 2018 at the University of South Carolina, Columbia, SC .
- Reisinger, D., Brewe, A., & **Roberts, J. E.** (2018, April) *Early Object Attention in Infants at High Risk for Autism Spectrum Disorder* [Poster session]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Diego, CA.
- Roberts, J.**, Hogan, A. L., Will, E., Tonnsen, B., & Klusek, J. (2018, April). *Heart Rate Variability in Fragile X Syndrome and Its Relationship to Anxiety* [Conference Symposium]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Diego, CA.
- Roberts, J. E.**, Hogan, A. L., Crawford, H., Fairchild, A., Tonnsen, B., Brewe, A., O'Connor, S., Pappas, C., & Roberts, D.J. (2018, May). *Social impairments emerge in infancy and persist into childhood in fragile X syndrome* [Poster session]. International Society for Autism Research Annual Meeting, Rotterdam, Netherlands.

- Smith, K., Hogan, A. L., Will, E., & **Roberts, J. E.** (2018, April). *Social and Object Attention as Markers for Anxiety in Toddlers with Neurodevelopmental Disorders* [Poster session]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Diego, CA.
- Wall, C. A., Wang, Q., Tonnsen, B., & **Roberts, J.** (2018) *Attentional Disengagement as a Potential Biomarker for Preschoolers with FXS* [Conference Symposium]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Diego, CA.
- Wall, C. A., Wang, Q., Tonnsen, B., & **Roberts, J. E.** (2018) *Differences in Attentional Disengagement for Preschoolers at Risk of ASD and with FXS* [Poster session]. International Society for Autism Research Annual Meeting, Rotterdam, Netherlands.
- Wall, C. A., Wang, Q., Tonnsen, B., & **Roberts, J. E.** (2017, October). *The Relation Between Attentional Disengagement, Autism Symptoms, and Attention Problems in Children with Neurodevelopmental Disorders* [Poster session]. South Carolina Autism and Neurodevelopmental Disorders Consortium (SCAND) Symposium, Columbia, SC.
- Will, E., Brewe, A., & **Roberts, J. E.** (2017, October). *Adaptive Behavior Trends in Infants and Toddlers with DS and FXS* [Poster session]. South Carolina Autism and Neurodevelopmental Disorders Consortium (SCAND) Symposium, Columbia, SC.
- Roberts, J. E.** (2017, September). *Emergence of Autism in Fragile X Syndrome* [Presentation]. Grand Rounds at the Marcus Autism Center, Atlanta, GA.
- O'Connor, S., Hogan, A. L., Caravella, K., Matherly, S., & **Roberts, J. E.** (2017, May). *ADHD Symptomatology in Preschoolers with Fragile X Contrasted to Idiopathic Autism* [Poster session]. International Meeting for Autism Research, San Francisco, CA.
- Caravella, K., & **Roberts, J. E.** (2017, May). *Anxiety Disorders in Preschool Age at Risk Children: Autism Siblings and Fragile X Syndrome* [Poster session]. International Meeting for Autism Research, San Francisco, CA.
- Reisinger, D., Brewe, A., Smith, K., Vites, A., & **Roberts, J. E.** (2017, May). *Atypical Visual Attention in Infants at High Genetic Risk for Autism Spectrum Disorder* [Poster session]. International Meeting for Autism Research, San Francisco, CA.
- Wall, C. A., & **Roberts, J. E.** (2017, May). *Developmental Trajectories of Sex Differences in Negative Affect in Infants with FXS and at ASD Risk* [Poster session]. International Meeting for Autism Research, San Francisco, CA.
- Ezell, J., Matherly, S., Caravella, K., & **Roberts, J. E.** (2017, May). *Temperament As a Predictor of Anxiety in High-Risk Infants* [Poster session]. International Meeting for Autism Research, San Francisco, CA.
- Matherly, S., Klusek, J., Poe, K., Abbeduto, L., & **Roberts, J. E.** (2017, May). *Impact of anxiety and autism symptomatology on pragmatic language in males with fragile X syndrome* [Poster session]. International Meeting for Autism Research, San Francisco, CA.
- Hogan, A. L., O'Connor, S., Poupore, N., Tonnsen, B., & **Roberts, J. E.** (2017, May). *Early physiological and behavioral markers of anxiety in infant siblings of children with autism spectrum disorder* [Poster session]. International Meeting for Autism Research, San Francisco, CA.
- Knott, C., Smith, K., Reisinger, D., & **Roberts, J. E.** (2017, April). *Intensity of Escape Behaviors as Antecedents of Anxiety in High-Risk Infant Populations* [Poster session]. Discovery Day 2017 at the University of South Carolina, Columbia, SC.
- Marshall, W., Vonada, N., Caravella, K., & **Roberts, J. E.** (2017, April). *Relationship of Fragile-X Syndrome and Generalized Anxiety Disorder on Sleep Initiation* [Poster session]. Discovery Day 2017 at the University of South Carolina, Columbia, SC.
- Moser, C., Klusek, J., & **Roberts, J. E.** (2017, April). *Parenting Stress as it Relates to Vagal Tone and Social Support in the FMR1 Premutation* [Poster session]. Discovery Day 2017 at the University of South Carolina, Columbia, SC.
- Poupore, N., Hogan, A. L., & **Roberts, J. E.** (2017, April). *Early Behavioral and Physiological Predictors of Autism in 12-month-old Siblings of Children with Autism* [Poster session]. Discovery Day 2017 at the University of South Carolina, Columbia, SC.
- Smith, J., Nanna, A., Coombs, S., & Van Deusen, V., & **Roberts, J. E.** (2017, April). *Cardiac Activity and Negative Affect in Infants with Fragile X Syndrome* [Poster session]. Discovery Day 2017 at the University of South Carolina, Columbia, SC.
- Sadek, A., O'Connor, S., & **Roberts, J. E.** (2017, April). *Psychopharmacology Treatments in Adolescents and Adults Diagnosed with fragile X syndrome and Autism Spectrum Disorder* [Poster session]. Discovery Day 2017 at the University of South Carolina, Columbia, SC.

- Caravella, K. E., & **Roberts, J. E.** (2017, March). *Anxiety Disorders in Preschool Children with Fragile X Syndrome*. In J. E. Roberts (Chair), *Anxiety in Autism and Fragile X Syndrome* [Symposium]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Antonio, TX.
- Hogan, A. L., O'Connor, S., Poupore, N., Tonnsen, B., & **Roberts, J. E.** (2017, March). *Early risk markers of anxiety in infant siblings of children with autism spectrum disorder* [Symposium]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Antonio, TX.
- Tonnsen, B. L., Hogan, A. L., Ezell, J., Caravella, K. E., & **Roberts, J. E.** (2017, March). *Characterizing anxiety through eye tracking: Attentional bias toward threat in fragile X syndrome* [Symposium]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Antonio, TX.
- Ezell, J., Matherly, S., Abbeduto, L., & **Roberts, J. E.** (2017, March). *Prevalence and Correlates of Anxiety Disorders in Adolescent and Adult Males with Fragile X Syndrome and Autism Spectrum Disorder* [Symposium]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Antonio, TX.
- Matherly, S., Ezell, J., & **Roberts, J. E.** (2017, March). *Cortisol profiles differentiate young adult males with autism spectrum disorder from fragile X syndrome as part of improving measurement of behavioral constructs in neurodevelopmental disorders* [Symposium]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Antonio, TX.
- Brewe, A., Reisinger, D., & **Roberts, J. E.** (2017, March). *Initiating Joint Attention Gaze Shifts and Gesture Use in Infants at High Risk for ASD* [Poster session]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Antonio, TX.
- Wall, C. A., & **Roberts, J. E.** (2017, March). *Developmental trajectories of sex differences in negative affect in infants with FXS* [Symposium]. Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Antonio, TX.