

# JANE E. ROBERTS, Ph.D.

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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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Department Chair (Interim 2018 – 2019) 2018-present  
Department of Psychology, University of South Carolina

Professor 2013-present  
Department of Psychology, University of South Carolina  
School Psychology program: APA and NASP accredited  
Clinical-Community program: APA accredited

Adjunct Professor 2014-present  
Biomedical & Psychological Sciences,  
Monash University, Melbourne Australia

Program Director 2013-2016  
School Psychology Program, Department of Psychology  
University of South Carolina

Faculty Affiliate 2013-present  
Institute for Mind and Brain  
University of South Carolina

Adjunct Assistant Professor 2009-2012  
University of North Carolina at Chapel Hill  
Department of Allied Health Sciences, School of Medicine  
The Division of Speech and Hearing Sciences

Associate Professor 2008-2013  
Department of Psychology, University of South Carolina  
School Psychology program: APA and NASP accredited

Scientist 2006-2008  
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

Investigator 1999-2006  
FPG Child Development Institute, University of North Carolina at Chapel Hill  
Early Development in Fragile X Syndrome

Clinical Assistant Professor 1998-2008  
Education Department, University of North Carolina at Chapel Hill

Post-Doctoral Fellow 1998-1999  
FPG Child Development Institute, University of North Carolina at Chapel Hill  
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 Palm Beach County Public School System	1990-1995
School Psychologist Broward County Public School System	1989
Psychiatric Residential Program Coordinator Residential Services Inc., Hartford, Connecticut	1988
Special Education Teacher/Preschool Program Director Tolland County Public School System/Mansfield's Co-operative Preschool	1986-1987
Psychiatric Deinstitutionalization Program Supervisor South County Mental Health Institute, Delray Beach, Florida	1985

## AFFILIATIONS/CERTIFICATIONS

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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

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USC 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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Co-Principal Investigator (Co-Principal Investigator: Jeff Twiss, M.D., Ph.D.) University of South Carolina, Provost Excellence Initiative USC Autism and Neurodevelopmental Disorders Center of Excellence The central objective of this Excellence Initiative is to build a multi-disciplinary Autism and Neurodevelopmental Disorders Center of Excellence at USC that spans from bench to bedside to classroom and back. University of South Carolina, \$4,800,000	2019-2024
Primary Faculty Mentor F32 01HD097877-01 Early Indicators of Autism Risk in Down Syndrome	2019-2021

This F32 fellowship supports Dr. Will's development as a scholar to advance her pathway to independence. The research project focuses on the characterization of early signs of autism in infants and young children with Down syndrome with a focus on motor and attention. The training uses a biobehavioral approach.

National Institute of Child Health and Human Development, \$192,485

Principal Investigator 2018-2021

2 R01 MH90194-A2

Emergence and Stability of Autism in Fragile X Synd. – Down Syndrome Supplement

The primary aim of this supplement is to expand the scope of the parent award to include a contrasting sample of infants and young children with Down syndrome.

National Institute of Mental Health, \$320,813

Co-Investigator 2018-2023

6R01HD024356-21

Language Development in Fragile X Syndrome

This is a longitudinal investigation of language development in adolescent and young adult males and females with fragile X syndrome. The aims are to characterize the impact of language on the effective transition from high school to post-secondary employment or education in males and females with fragile X syndrome employing a biobehavioral model.

National Institute of Child Health and Human Development; \$3,427,394

Abbeduto, Leonard: PI

Principal Investigator 2016-2021

R01MH107573-01A

Emergence, Stability and Predictors of Anxiety in Fragile X Syndrome

Examines early signs and prodromal features of anxiety diagnoses in preschool children with FXS contrasted to children with autism spectrum disorder and typical controls using a longitudinal deep phenotyping approach.

National Institute of Mental Health, \$3,468,724

Principal Investigator 2016-2021

2 R01 MH90194-06

Emergence and Stability of Autism in Fragile X Syndrome

Extension of initial study to longitudinally track infants with FXS through preschool to identify early signs of autism spectrum disorder in FXS contrasted to siblings at high risk using a multi-method longitudinal approach.

National Institute of Mental Health, \$3,550,989

Co-Investigator (Site PI) 2016-2021

2R01MH079252

Trauma exposure, emotion regulation and cognitive skills in early childhood:

Prospective and longitudinal examination of the mechanisms of adjustment

National Institute of Mental Health, \$3,427,694

Jackson, Yolanda: PI

Principal Investigator 2015-2016

R01MH090194-02S2

Emergence and Stability of Autism in Fragile X Syndrome

Administrative Supplement: Sex Effects in Emergence of Autism in Fragile X

National Institute of Mental Health, \$84,921

Faculty Sponsor (PI: Jessica Klusek) 2014-2016

F32 DC013934-01

Profiles and Predictors of Pragmatic Language Impairments in the *FMR1* Premutation

National Institute on Deafness and Other Communication Disorders, \$153,858

Faculty Co-Sponsor (PI: Nicole Zieber) F32 MH01837495-01 Cortical Areas Involved in Face Processing in Infants at Low- and High-Risk for Autism Spectrum Disorders National Institute of Mental Health, \$51,705	2013-2014
Investigator (Principal Investigator: USC Site) 2R01HD024356-18 Language Development in Fragile X National Institute of Child Health and Human Development Principal Investigator: Leonard Abbeduto, Director: MIND Institute University of California at Davis, \$3,525,427 Total (\$1,507,663 USC Site)	2012-2017
Principal Investigator 1R01MH090194-01A1 Emergence and Stability of Autism in Fragile X Syndrome National Institute of Mental Health, \$1,789,280	2011-2016
Faculty Sponsor (PI: Bridgette Tonnsen) F31 MH095318 Predicting Autism Through Behavioral and Biomarkers of Attention in High Risk Infants National Institute of Mental Health, \$104,901	2011-2014
Principal Investigator 3R01MH090194-02S1 Emergence and Stability of Autism in Fragile X Syndrome Administrative Supplement: Biomarker Use in Clinical Research National Institute of Mental Health, \$87,314	2012-2013
Co-Principal Investigator (Co-PI: John Richards) 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) Language Delays and Atypical Attention as Early Markers of Autism Magellan Scholarship Grant, University of South Carolina, \$5,000.	2013
Co-Investigator (PI: Kimberly Hills) USC Autism Diagnostic Training Specialty Clinic: Implementation South Carolina Disabilities Council, Office of the Governor, \$53,246	2012-2013
Principal Faculty Investigator (Magellan Scholar: Sara Deal) Autism Risk and Attention Disengagement Magellan Scholarship Grant, University of South Carolina, \$2,500.	2012-2013
Co-Investigator (PI: Kimberly Hills) USC Autism Diagnostic Training Specialty Clinic: Initiation South Carolina Disabilities Council, Office of the Governor, \$29,911	2012
Principal Investigator Onset and Stability of Autism in Neurodevelopmental Disorders Social Sciences Grants Program Award University of South Carolina, Office of Provost, \$19,972.	2010-2012

Principal Investigator  
Emergence and Stability of Autism  
South Carolina Disabilities Council, Office of the Governor, \$19,700.

Principal Investigator 2010-2011  
Emergence and Stability of Autism in Fragile X Syndrome  
Promising Investigator Research Award  
University of South Carolina, Office of Research and Graduate Education, \$19,999.

Principal Faculty Investigator (Magellan Scholar: Bailey Tackett) 2010-2011  
Early Detection of Autism in Fragile X Syndrome  
Magellan Scholarship Grant, University of South Carolina, \$2,500.

Principal Investigator 2004-2009  
Molecular-Clinical Correlates in Fragile X Syndrome  
National Fragile X Foundation, \$65,000

Principal Faculty Investigator (Magellan Scholar: Meredith James) 2008-2009  
Sensory Treatment for Children with Autism  
Magellan Scholarship Grant, University of South Carolina, \$3,000.

Principal Faculty Investigator (Advantage Scholar: Caitlin McLearn) 2009  
Biobehavioral Indices of Cognitive and Behavioral Outcomes in FXS  
Furman Advantage Scholarship Grant, Furman University \$3,000.

Co-Investigator, R01 2009-2013  
Predicting Useful Speech in Children with Autism  
National Institute on Deafness and Other Communication Disorders, \$985,000  
PI: Paul Yoder, Ph.D. 1R01DC006893-01A2

Co-Investigator, R01 2008-2013  
Speech of Young Males with Fragile X Syndrome  
National Institute of Child Health & Human Development, \$ 1,746,592.  
PI: David Zajac, Ph.D. 2R01HD044935-06A1

Principal Faculty Investigator (Student Investigator: Janette Dill) 2004  
Physiological Underpinning of Sensory Modulation in Toddlers with FXS  
National Fragile X Foundation; \$2,500

Co-Director, P30 2003-2008  
Data Collection Core: Family Adaptation to FXS  
NIH: National Institute of Child Health and Human Development  
PI: Don Bailey, Ph.D.; \$947,284; 3 P30 HD003110-35S1

Co-Investigator, P30 2003-2008  
Family Adaptation to Temperament and Challenging Behavior in FXS  
NIH: National Institute of Child Health and Human Development  
PI: Deborah Hatton, Ph.D.; \$834,934; 3 P30 HD003110-35S1

Project Director 2001-2004  
Fragile X Information Web Site  
Ronald McDonald House Charities  
PI: Don Bailey, Ph.D. \$272,558

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

Project Director 1999-2002  
Early Identification of Children with FXS  
U.S. Department of Education, OSEP  
PI: Don Bailey, Ph.D. \$859,251

Co-Principal Investigator; Post-Doctoral Grant 1998-2000  
Psychophysiological Measures of Arousal  
FRAXA Research Foundation; \$65,000

Student Principal Investigator (Faculty Mentor: Don Bailey, Ph.D.) 1997-1998  
Biobehavioral Regulation in Boys with Fragile X Syndrome  
U.S. Department of Education and Rehabilitation Services:  
Special Education Program: \$19,995; H023B70035

## SERVICE/COMMUNITY OUTREACH

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### Grant Reviewer:

National Institute of Mental Health  
Chair, Child Psychopathology Developmental Disabilities Section (CPDD) 2019-2020  
Child Psychopathology Developmental Disabilities Section (CPDD) 2016-2019  
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 2012  
Autism Research Program Pilot Award  
USC Magellan Undergraduate Research Fellowship 2010-present  
USC Social Sciences Faculty Grant Program Reviewer 2011-present  
USC Discovery Day Undergraduate Research Judge 2012

### Editorial Roles:

Associate Editor: American Journal of Intellectual and Developmental Disabilities 2012-2014  
2018-present  
Guest Co-Editor: *American Journal of Intellectual and Developmental Disabilities* 2011  
Special Issue: Developmental and Longitudinal Approaches in Research with  
Individuals with Intellectual and Developmental Disabilities.  
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:

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	2011, 2013-2016
Interim Chair, Department of Psychology	1028-present

**PUBLICATIONS**

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1. Ezell, J., Hogan, A., Fairchild, A., Hils, K., Klusek, J., Abbeduto, L., & **Roberts, J.E.** (2019). Prevalence and predictors of anxiety disorders in adolescent and adult males with autism spectrum disorder and fragile X syndrome. *Journal of Autism and Developmental Disorders*, 49(3): 1131-1141.
  2. Abbeduto, L., Thurman, A. J., McDuffie, A., Klusek, J., Feigles, R. T., Brown, W. T., ... & **Roberts, J. E.** (2019). 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*, 1-18.
  3. Rague, L., Caravella, K., Tonnsen, B., & **Roberts, J.E.** (2018). Early gesture use in fragile X syndrome. *Journal of Intellectual and Disability Research*, Jul;62(7);625-636.
  4. 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*, May;123(3);193-211.
  5. 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*, 1-12.
  6. 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.
  7. Ezell, J., Hogan, A., Fairchild, A., Hills, K., Klusek, J., Abbeduto, L., & **Roberts, J.** (2018). Prevalence and predictors of anxiety disorders in adolescent and adult males with autism spectrum disorder and fragile X syndrome. *Journal of Autism and Developmental Disorders*, 1-11.
  8. Guy, M. W., Richards, J. E., Tonnsen, B. L., & **Roberts, J. E.** (2018). Neural correlates of face processing in etiologically-distinct 12-month-old infants at high-risk of autism spectrum disorder. *Developmental Cognitive Neuroscience*, 29, 61-71.
  9. Klusek, J., Ruber, A., & **Roberts, J. E.** (2018). Impaired eye contact in the FMR1 premutation is not associated with social anxiety or the broad autism phenotype. *The Clinical Neuropsychologist*, 32(7), 1337-1352.
  10. Tonnsen, B. L., Richards, J. E., & **Roberts, J. E.** (2018). Heart rate-defined sustained attention in infants at risk for autism. *Journal of neurodevelopmental disorders*, 10(1), 7.
  11. Tonnsen, B. L., Wheeler, A. C., Hamrick, L. R., & **Roberts, J. E.** (2018). Infant Temperament in the FMR 1 Premutation and Fragile X Syndrome. *Journal of Clinical Child & Adolescent Psychology*, 1-11.
  12. Robinson, M., Klusek, J., Poe, M. Hatton, D. H., & **Roberts, J. E.** (2018). The development of effortful control in preschool boys with fragile X syndrome. *American Journal of Intellectual and Developmental Disabilities*. Mar;123(3):193-211.
  13. Will, E.A., Caravella, K.E., Hahn, L.J., Fidler, D.J., & **Roberts, J.E.** (2018). Adaptive behavior in infants and toddlers with Down syndrome and fragile X syndrome. *American Journal of Medical Genetics B: Neuropsychiatric Genetics*. Apr;177(3);358-368.
  14. Matherly, S. M., Klusek, J., Thurman, A. J., McDuffie, A., Abbeduto, L., & **Roberts, J. E.** (2018). Cortisol profiles differentiated in adolescents and young adult males with fragile X syndrome versus autism spectrum disorder. *Developmental Psychobiology*, 60(1), 78-89.

15. Klusek, J., Schmidt, J., Fairchild, A. J., Porter, A., & **Roberts, J. E.** (2017). Altered sensitivity to social gaze in the FMR1 premutation and pragmatic language competence. *Journal of neurodevelopmental disorders, 9(1)*, 31.
16. Reisinger, D. L., & **Roberts, J. E.** (2017). Differential Relationships of Anxiety and Autism Symptoms on Social Skills in Young Boys with Fragile X Syndrome. *American Journal on Intellectual and Developmental Disabilities, 122(5)*, 359-373.
17. Tonnsen, B., Scherr, J., Reisinger, D., & **Roberts, J.** (2017). Behavioral Markers of Emergent Stranger Anxiety in Infants and Toddlers with Fragile X Syndrome. *Journal of Autism and Developmental Disorders, 47(11)*, 3646-3658.
18. Klusek, J., Ruber, A., & **Roberts, J. E.** (2017). Impaired eye contact in the FMR1 premutation is not associated with social anxiety or the broad autism phenotype. *The Clinical Neuropsychologist, 1-16*.
19. Lowell, E. P., Tonnsen, B. L., Bailey, D. B., and **Roberts, J. E.** (2017) The effects of optimism, religion, and hope on mood and anxiety disorders in women with the FMR1 premutation. *Journal of Intellectual Disability Research, 61*: 916–927.
20. Hogan, A. L., Caravella, K. E., Ezell, J., Rague, L., Hills, K., & **Roberts, J. E.** (2017). Autism Spectrum Disorder Symptoms in Infants with Fragile X Syndrome: A Prospective Case Series. *Journal of Autism and Developmental Disorders, 47(6)*, 1628-1644.
21. Klusek, J., LaFauci, G., Adayev, T., Brown, W. T., Tassone, F., & **Roberts, J. E.** (2017). Reduced vagal tone in women with the FMR1 premutation is associated with FMR1 mRNA but not depression or anxiety. *Journal of neurodevelopmental disorders, 9(1)*, 16.
22. Caravella, K. E., & **Roberts, J. E.** (2017). Adaptive skill trajectories in infants with fragile X syndrome contrasted to typical controls and infants at high risk for autism. *Research in Autism Spectrum Disorders, 40*, 1-12.
23. Scherr, J. F., Hogan, A. L., Hatton, D., & **Roberts, J. E.** (2017). Stranger Fear and Early Risk for Social Anxiety in Preschoolers with Fragile X Syndrome Contrasted to Autism Spectrum Disorder. *Journal of Autism and Developmental Disorders, 1-15*.
24. **Roberts, J.E.**, Tonnsen, B.L, McCary, L.M., Caravella, K.E., & Shinkareva, S. V. (2016). Autism symptoms in infants with fragile X syndrome, *Journal of Autism and Developmental Delay,(12)*: 3830-3837.
25. **Roberts, J. E.**, Tonnsen, B. L., McCary, L. M., Ford, A. L., Golden, R. N., & Bailey, D. B. (2016). Trajectory and predictors of depression and anxiety disorders in mothers with the FMR1 premutation. *Biological Psychiatry, 79(10)*, 859-85715.
26. **Roberts, J.E.**, McCary, L. M., Shinkareva, S.V., & Bailey, D. B. (2016). Infant development in fragile X syndrome: cross-syndrome comparisons. *Journal of Autism and Developmental Disabilities, 46(6)*, 2088-2099.
27. Klusek, J., McGrath, S.E., Abbeduto, L., & **Roberts, J.E.** (2016). Pragmatic language features of mothers with the FMR1 premutation are associated with the language outcomes of adolescents and young adults with fragile X syndrome, *Journal of Speech Language Hearing Research, 59(1)* 49-61.
28. Robinson, A.N., **Roberts, J.E.**, Brady, N., McQuillin, S.D., & Warren, S.F. (2016). Physiological correlates of maternal responsivity in mothers of preschoolers with fragile X syndrome. *American Journal of Intellectual and Developmental Disabilities, 121(2)*, 111-120.
29. Grefer, M., Flory, K., Cornish, K, Hatton, D, & **Roberts, J.** (2016). The emergence and stability of attention deficit hyperactivity disorder in boys with fragile X syndrome. *Journal of Intellectual and Disability Research, 60(2)*, 167-178.
30. Scherr, J.F., Hahn, L.J., Hooper, S.R., Hatton, D. D., & **Roberts, J.E.** (2016). HPA axis function predicts development of working memory in boys with FXS, *Brain and Cognition, 102*, 80-90.
31. Tonnsen, B. L., Grefer, M. L., Hatton, D. D. & **Roberts, J. E.** (2015). Developmental trajectories of attentional control in preschool males with fragile X syndrome. *Research in Developmental Disabilities, 36*, 62-71.
32. Kover, S. T., McCary, L. M., Ingram, A. M., Hatton, D. D., & **Roberts, J.E.** (2015). Early Language Development in Infants and Toddlers with Fragile X Syndrome: Change over Time and the Role of Attention. *American Journal of Intellectual and Developmental Disabilities, 56 (2)*, 125-144.
33. Randel, A., Adlof, S., Klusek, J., & **Roberts, J.E.** (2015). Teaching reading to youth with fragile X syndrome: Should phonemic awareness and phonics instruction be used? *Evidence Based Practice Briefs. 9(6)*:47-61.

34. Klusek, J., Hunt, A.W., Mirrett, P.L., Hatton, D.D., Hooper, S.R., **Roberts, J.E.**, & Bailey, D.B. (2015). Reading and phonological skills in boys with fragile X syndrome. *Journal of Autism and Developmental Disorders* Jun;45(6):1699-711.
35. Klusek, J., **Roberts, J. E.**, & Losh, M. (2015). Cardiac autonomic regulation in autism and fragile X syndrome: A review. *Psychological Bulletin*, 141, 141-175.
36. Adlof, S., Klusek, J., Svetlana, S., Mounts, M., Hatton, D., & **Roberts, J.E.** (2015). Phonological awareness and reading in boys with fragile X syndrome. *Journal of Child Psychiatry and Psychology*, 56, 30-39.
37. Tonnsen, B. L., Cornish, K., Wheeler, A. & **Roberts, J. E.** (2014). Maternal predictors of anxiety risk in young males with fragile X. *American Journal of Medical Genetics: Neuropsychiatric Genetics*, 165(5); 399-409.
38. **Roberts, J.E.**, Tonnsen, B.L., Mounts, M., McQuillan, S., & Hatton, D.D. (2014). Factor structure of temperament in fragile X syndrome: The Child Behavior Questionnaire. *Research in Developmental Disabilities*, 35 (2); 563-571.
39. Symons, F. J., & **Roberts, J. E.** (2013). Biomarkers, behavior, and intellectual disabilities. *American Journal of Intellectual and Developmental Disabilities*, 118 (6); 413-415.
40. Tonnsen, B. L., Shinkareva, S.V., Deal, S. C., Hatton, D. D., & **Roberts, J.E.** (2013). Biobehavioral Indicators of Social Fear in Young Children with Fragile X Syndrome. *American Journal of Intellectual and Developmental Disabilities*. 118(6); 447-459.
41. Tonnsen, B. L., Malone, P., Hatton, D. D., & **Roberts, J. E.** (2013). Early negative affect predicts anxiety, not autism, in preschool boys with fragile X syndrome, *Journal of Abnormal Child Psychology*, 41 (2), 267-280.
42. McCary, L. M., Machlin, L., & **Roberts, J. E.** (2013). The development of adaptive behaviour in toddlers and preschoolers with fragile X versus autism. *International Journal of Developmental Disabilities*, 59(2); 67-79.
43. **Roberts, J. E.**, Long, A.C.J., McCary, L.M. Quady, A.N., Rose, B.S., Widrick, D., & Baranek, G. (2013). Cardiovascular and behavioral responses to auditory stimuli in boys with fragile X syndrome. *Journal of Pediatric Psychology*, 38(3); 276-284.
44. McCary, L. M. & **Roberts, J. E.** (2012). Early identification of autism in fragile X syndrome: A Review. *Journal of Intellectual Disability Research*. doi: 10.1111/j.1365-2788.2012.01609.x
45. **Roberts, J.E.**, Tonnsen, B.L., Robinson, A.N., & Shinkareva, S. (2012). Heart activity and autistic behavior in infants with fragile X syndrome. *International Journal of Psychophysiology*, 85 (3), 348-349.
46. Watson, L. W., **Roberts, J.E.**, Baranek, G.T., Yoder, P. (2012). Respiratory sinus arrhythmia as a predictor of language outcomes in children with autism. *International Journal of Psychophysiology*, 85 (3), 348.
47. **Roberts, J. E.**, Tonnsen, B. L., Robinson, A. N., & Shrinkareva, S. (2012). Heart activity and autistic behavior in toddlers with fragile X syndrome. *American Journal of Intellectual and Developmental Disabilities*. 117(3), 121 – 137.
48. Tonnsen, B. L., Richards, J. E., & **Roberts, J. E.** (2012). Experimental and parent-reported self-regulation in infants at high and low risk for autism. In *Developmental Medicine and Child Neurology*: Vol. 54 (2)., p. 19. Proceedings of the 3<sup>rd</sup> UK Paediatric Neuropsychology Symposium: Early Brain-Behavior Relationships & Prognostic Indicators 23 – 27. London, UK.
49. McCary, L.M., Grefer, M., Mounts, M., Robinson, A., Tonnsen, B., & **Roberts, J.** (2012). The importance of differential diagnosis in neurodevelopmental disorders: Implications for IDEIA. *The School Psychologist*, 66(2).
50. Cornish, K., **Roberts, J.E.**, & Scerif, G. (2012). Editorial: Capturing developmental trajectories of change in persons with intellectual and developmental disability. *American Journal of Intellectual and Developmental Disabilities*, 117 (2): 83-86.
51. Watson, L. R., **Roberts, J. E.**, Baranek, G. T., Mandulak, K. C., & Dalton, J. C. (2012). Behavioral and physiological responses to child-directed speech of children with autism spectrum disorders or typical development. *Journal of Autism and Developmental Disorders*. 42(8), 1616-1629.
52. **Roberts, J.E.**, Hatton, D. D., Long, A.C., Anello, V., & Colombo, J. (2012). Visual attention and autistic behavior in infants with fragile X syndrome. *Journal of Autism and Developmental Disorders*, 42(6), 937-946.

53. **Roberts, J.E.**, Miranda, M., Boccia, M., Janes, H., Tonnsen, & Hatton, D.D. (2011). Treatment effects of stimulant medication in young boys with fragile X syndrome. *Journal of Neurodevelopmental Disorders*, 3(3), 175-184.
54. Bailey, D. B., Hazlett, H. C., **Roberts, J. E.**, & Wheeler, A. C. (2011). Early development in fragile X syndrome: Implications for developmental screening. In D. Fidler (Ed.), *International review of research in mental retardation: Early development in genetic disorders associated with intellectual disabilities* (pp. 75-107). San Diego, CA: Elsevier.
55. Watson, L. R., Baranek, G. T., **Roberts, J. E.**, Mandulak, K. C., & Dalton, J. (2010). Behavioral and physiological responses to child-directed speech as predictors of communication outcomes in children with autism spectrum disorders. *Journal of Speech, Language, and Hearing Research*, 53, 1052-1064.
56. Wheeler, A. C., Hatton, D., Holloway, V. T., Sideris, J., Neebe, E. C., **Roberts, J. E.**, & Reznick, J. S. (2010). Maternal responses to child frustration and requests for help in dyads with fragile X syndrome. *Journal of Intellectual Disability Research*, 54, 501-515.
57. **Roberts, J. E.**, Clarke, M. A., Alcorn, K., Carter, J. C., Long, A. C., & Kaufmann, W. E. (2009). Autistic behavior in boys with fragile X syndrome: Social approach and HPA-axis dysfunction. *Journal of Neurodevelopmental Disorders*, 1(4), 283-291.
58. **Roberts, J. E.**, Mankowski, J., Hatton, D. D., Baranek, G. T., Mirrett, P. L., Reznick, J. S., & Bailey, D. (2009). Trajectories and predictors of the development of very young boys with fragile X syndrome. *Journal of Pediatric Psychology*, 4, 827-836.
59. Hatton, D. D., Wheeler, A., Sideris, J., Sullivan, K., Reichardt, A., **Roberts, J. E.**, & Bailey, D. B. (2009). Developmental trajectories of young girls with fragile X syndrome. *American Journal on Intellectual and Developmental Disabilities*, 114(3), 161-171.
60. **Roberts, J. E.**, Bailey, D. B., Mankowski, J., Ford, A. F., Weisenfeld, L. H., Heath, T. M., & Golden, R. E. (2009). Mood and anxiety disorders in females with the FMR1 premutation. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, 150(1), 130-139.
61. Shanahan, M. E., **Roberts, J. E.**, Hatton, D. D., Reznick, J. S., & Goldsmith, H. H. (2008). Early temperament and negative reactivity in boys with fragile X syndrome. *Journal of Intellectual Disability Research*, 52(10), 842-854.
62. **Roberts, J. E.**, Mazzocco, M. M. M., Murphy, M. M., & Hoehn-Saric, R. (2008) Arousal modulation and cognitive task performance in females with fragile X or turner syndrome. *Journal of Autism and Developmental Disorders*, 38(1), 20-27.
63. Baranek, G. T., **Roberts, J. E.**, David, F. J., Sideris, J., Mirrett, P. L., Hatton, D. D., & Bailey, D. B. (2008). Developmental trajectories and correlates of sensory processing functions in young children with fragile X syndrome. *Physical and Occupational Therapy in Pediatrics*, 28(1), 79-98.
64. Bailey, D. B., Sideris, J., **Roberts, J. E.**, & Hatton, D. D. (2008). Child and genetic variables associated with maternal adaptation to fragile X syndrome: A multidimensional analysis. *American Journal of Medical Genetics, Part A*, 146(6), 720-729.
65. Bailey, D. B., Golden, R. E., **Roberts, J. E.**, & Ford, A. F. (2007). Maternal depression and developmental disability: Research critique. *Mental Retardation Developmental Disabilities Research Review*, 13(4), 321-329.
66. **Roberts, J. E.**, Weisenfeld, L. A., Hatton, D. D., Heath, T. M., & Kaufmann, W. E. (2007). Social approach and autistic behavior in children with fragile X syndrome. *Journal of Autism and Developmental Disorders*, 37(9), 1748-1760.
67. **Roberts, J. E.**, King-Thomas, L., & Boccia, M. L. (2007). Behavioral indexes of the efficacy of sensory integration therapy. *American Journal of Occupational Therapy*, 61(5), 555-562.
68. Hatton, D. D., Sideris, J., Skinner, M. L., Mankowski, J. B., Bailey, D. B., **Roberts, J. E.**, & Mirrett, P. (2006). Autistic behavior in children with fragile X syndrome: Prevalence, stability, and the impact of FMRP. *American Journal of Medical Genetics*, 140(17), 1804-1813.
69. **Roberts, J. E.**, Boccia, M. L., Hatton, D. D., Skinner, M. L., & Sideris, J. (2006). Temperament and vagal tone in boys with fragile X syndrome. *Journal of Developmental and Behavioral Pediatrics*, 27(3), 193-201.
70. **Roberts, J. E.**, Symons, F. J., Wulfsberg, A. M., Hatton, D. D., & Boccia, M. L. (2005). Blink rate in boys with fragile X syndrome: Preliminary evidence for altered dopamine function. *Journal of Intellectual Disability Research*, 49(9), 647-656.

71. **Roberts, J. E.**, Schaaf, J. M., Skinner, M. L., Wheeler, A. C., Hooper, S. R., Hatton, D. D., & Bailey, D. B. (2005). Academic skills of boys with fragile X syndrome: Profiles and predictors. *American Journal on Mental Retardation*, 110(2), 107-120.
72. Skinner, M. L., Hooper, S. R., Hatton, D. D., **Roberts, J. E.**, Mirrett, P. L., Schaaf, J. L., ... Bailey, D. B. (2005). Mapping nonverbal IQ in young boys with fragile X syndrome. *American Journal of Medical Genetics*, 32, 25-32.
73. Baranek, G. T., Danko, C. D., Skinner, M. L., Bailey, D. D., Hatton, D. D., **Roberts, J. E.**, & Mirrett, P. L. (2005). Video analysis of sensorimotor features in infants with fragile X syndrome at 9-12 months. *Journal of Autism and Developmental Disorders*, 34(5), 645-656.
74. Bailey, D. B., **Roberts, J. E.**, Hooper, S. R., Hatton, D. D., Mirrett, P. L., Roberts, J. E., & Schaaf, J. M. (2004). Research on fragile X syndrome and autism: Implications for the study of genes, environments, and developmental language disorders. In M. L. Rice, & S. F. Warren (Eds.), *Developmental language disorders: From phenotypes to etiologies*. Mahwah, NJ: Lawrence Erlbaum.
75. Mirrett, P. L., Bailey, D. B., **Roberts, J. E.**, & Hatton, D. D. (2004). Developmental screening and detection of developmental delays in infants and toddlers with fragile X syndrome. *Journal of Developmental and Behavioral Pediatrics*, 25(1), 21-27.
76. Hatton, D. D., Wheeler, A. C., Skinner, M. L., Bailey, D. B., Sullivan, K. M., **Roberts, J. E.**, ... Clark, R. D. (2003). Adaptive behavior in children with fragile X syndrome. *American Journal on Mental Retardation*, 108(6), 373-390.
77. Bailey, D. D., **Roberts, J. E.**, Mirrett, P. L., & Hatton, D. D. (2002). Identifying infants and toddlers with fragile X syndrome: Issues and recommendations. *Infants and Young Children*, 14(1), 24-33.
78. **Roberts, J. E.**, Hatton, D. D., & Bailey, D. B. (2001). Development and behavior of male toddlers with fragile X syndrome. *Journal of Early Intervention*, 24(3), 207-223.
79. **Roberts, J. E.**, Boccia, M. L., Bailey, D. B. Jr., Hatton, D. D., & Skinner, M. (2001). Cardiovascular indicators of arousal in boys with fragile X syndrome. *Developmental Psychobiology*, 39, 107-123.
80. Hatton, D. D., Bailey, D. B., Roberts, J. P., Skinner, M., Mayhew, L., Clark, R. D., ... **Roberts, J. E.** (2000). Early intervention services for young boys with fragile X syndrome. *Journal of Early Intervention*, 23, 23-37.
81. Bailey, D. D., Skinner, D., Hatton, D. D., & **Roberts, J. E.** (2000). Family experiences and factors associated with diagnosis of fragile X syndrome. *Journal of Developmental and Behavioral Pediatrics*, 21, 315-321.
82. Boccia, M. L., & **Roberts, J. E.** (2000). Behavior and autonomic nervous system function as assessed via heart activity: The case of hyperarousal in boys with fragile X syndrome. *Behavior Research Methods, Instruments, and Computers*, 32(1), 5-10.
83. Boccia, M. L., & **Roberts, J. E.** (2000). Computer-assisted integration of physiological and behavioral measures. In T. Thompson, D. Felce, & F. J. Symons (Eds.), *Computer assisted behavioral observational methods for developmental disabilities* (pp. 83-97). Baltimore, MD: Brookes.
84. Bailey, D. B., Mesibov, G. B., Hatton, D. D., Clark, R. D., **Roberts, J. E.**, & Mayhew, L. A. (1998). Autistic behavior of young boys with fragile X syndrome. *Journal of Autism and Developmental Disorders*, 28(6), 499-508.
85. Hatton, D. D., Buckley, E., Lachiewicz, A., & **Roberts, J. E.** (1998). Ocular status of boys with fragile X syndrome: A prospective study. *American Association for Pediatric Ophthalmology & Strabismus*, 2(5), 298-302.

## 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

**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

**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

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-current
Department of Psychology, USC: Ombudsman	2009-current
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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Preschool Age Psychiatric Assessment (PAPA) Duke University: Brian Smalls	2014
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Autism Diagnostic Observation Scale, Research Reliable  
Greenwood Genetics Center; Trainer: Dr. Lucia Horowitz

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. (2018, November) *Fragile X Syndrome: Model for Investigating Autism*. Presentation as part of Grand Rounds at the Medical University of South Carolina, Pediatrics.
- 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.
- Roberts, J.E. (2016, May). *Emergence of Autism in High-Risk Infants*. Presented at 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*. Presented at the Fragile X Society Birmingham Conference, Birmingham, England.
- Roberts, J.E. (2015, April). *Early Detection of Autism*. Presented at 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:** 2013-2018 only (52 out of 148 total)

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Besse, M., Mazzeo, G., O'Connor, S. & Roberts, J. (2018, April) *Heart Rate Associations to ADHD Symptoms in Infants and Preschoolers with FXS*. Poster presented at Discovery Day 2018 at the University of South Carolina, Columbia, 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 presented at the International Society for Autism Research Annual Meeting, Rotterdam, Netherlands.

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 presented at Discovery Day 2018 at the University of South Carolina, Columbia, SC

Ezell, J., Will, E., Brewe, A., McQuillin, S., and Roberts, J. (2018, April). *Negative Affect and Physiological Startle Response in Children with Fragile X Syndrome*. Symposium conducted at the Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Diego, CA.

Ezell, J., Will, E., McQuillin, S., and Roberts, J. (2018, May). *Physiological Startle Response in Children with Fragile X Syndrome and Autism Spectrum Disorder*. Poster presented at the International Society For Autism Research Annual Meeting, Rotterdam, Netherlands

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 accepted to the 2018 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 accepted to the 2018 Meeting of the 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 presented at 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 presented at the 51<sup>st</sup> Annual Gatlinburg Conference, 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*. Symposium accepted to the 2018 Gatlinburg Conference on Research & Theory in Intellectual and Developmental Disorders, San Diego, CA.
- Roberts, J.E., Hogan, A.L., Crawford, H., Fairchild, A., Tonnsen, B., Brewes, 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 accepted to the 2018 Meeting of the International Society for Autism Research, 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 presentation at the Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Diego, CA.
- Wall, C. A., Wang, Q., Tonnsen, B., and Roberts, J. (2018) *Attentional Disengagement as a Potential Biomarker for Preschoolers with FXS*. Symposium presented at the Gatlinburg Conference on Research and Theory in Intellectual Disabilities, San Diego, CA, US.
- Wall, C. A., Wang, Q., Tonnsen, B., and Roberts, J.E. (2018) *Differences in Attentional Disengagement for Preschoolers at Risk of ASD and with FXS*. Poster presented at the 2018 International Meeting for Autism Research, Rotterdam, Netherlands.
- Roberts, J.E., Scherr, J., Hogan-Brown, A., Reisinger, D., & O'Connor, S. (2016, May). Early behavioral fear in infants and preschoolers at high risk for autism: Fragile X syndrome versus Autism. Poster presented at the International Meeting for Autism Research, Baltimore, MD.
- Caravella, K. E., Brewes, A. & **Roberts, J. E.** (2015, April) *Latency to Disengage from a Smiling or Non-Smiling face in Infants with Fragile X*. Poster presented at the 48th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, New Orleans, LA.
- Hahn, L. J., Brady, N. C., McCary, L., Rague, L., & **Roberts, J. E.** (2015, April). *Early Social Communication in Infants with Fragile X Syndrome, Infant Siblings of Children with Autism, and Typically Developing Infants*. Poster presented at the 48th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, New Orleans, LA.
- Hahn, L. J., Scherr, J. F., Tonnsen, B., & **Roberts, J. E.** (2015, April). *Social Anxiety and Attention Modulation in Boys with Fragile X Syndrome*. In **J. E. Roberts** (Chair), *Attention, Anxiety, and Autism in Children with Fragile X Syndrome*. Paper presented at the 48th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, New Orleans, LA.
- McGrath, S., Hahn, L. J., & **Roberts, J. E.** (2015, April). *Cortisol trajectories from Infancy through Early Childhood in Children with Fragile X Syndrome, Typical Development and a Subsample of with Autism Spectrum Disorders*. Poster presented at the 48th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, New Orleans, LA.
- McGrath, S., Tonnsen, B. L., & **Roberts, J. E.** (2015, February). *Repetitive behaviors in cross-syndrome autism: Developmental change from a school psychologist perspective*. Poster presented at the National Association of School Psychologists Annual Convention, Orlando, FL.
- Reisinger, D., Brewes, A., Scherr, J., Hahn, L., & **Roberts, J. E.** (2015, April). *Early Visual Attention and Autism Symptomology in Infants at High Risk for Autism Spectrum Disorders*. Poster presented at the 48th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, New Orleans, LA.
- Roberts, J. E.**, Tonnsen, B. L., Guy, M., Hahn, L., & Richards, J. E. (2015, April). *Biobehavioral correlates of autism spectrum disorder in infants with fragile X syndrome*. In H. C. Hazlett and J. J. Wolff (Co-Chairs), *Neurobiological and Neurophysiological Characteristics of Infants with Fragile X Syndrome*. Paper presented at the 48th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, New Orleans, LA.
- Scherr, J. F., Hahn, L. J., Reisinger, D., & **Roberts, J. E.** (2015, April). *Emergence of Anxiety in Preschoolers with Idiopathic Autism Spectrum Disorder*. Poster presented at the 48th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, New Orleans, LA.
- Schworer, E., Klusek, J., Hahn, L. J., Schmidt, J., & **Roberts, J. E.** (2015, April). *Anxiety and eye gaze in males with fragile X*. Poster presented at the 48th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, New Orleans, LA.
- Tonnsen, B. L., Richards, J. E., Mazur, E. L., & **Roberts, J. E.** (2015, April). *Heart-defined sustained*

- attention in infant siblings of children with autism*. In **J. E. Roberts** (Chair), *Attention, Anxiety, and Autism in Children with Fragile X Syndrome*. Paper presented at the 48th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, New Orleans, LA.
- Klusek, J., & **Roberts, J. E.** (2014, September). *Cortisol as a biomarker for psychological vulnerability in women with the FMR1 premutation*. Poster presented at the Society for Psychophysiological Research.
- Caravella, K., Tonnsen, B. L., McCary, L. M., & **Roberts, J. E.** (2014, July). *Examining autism symptomatology in infants with fragile X syndrome and autism infant siblings*. Poster presented at the 2014 International Fragile X Conference, Orange County, CA.
- Klusek, J., Martin, G. E., Losh, M. (2014, July). *Physiological arousal and social-communication skills in boys with fragile X syndrome and autism*. In **J. E. Roberts** (Chair), *Arousal, anxiety, and attention in fragile X across the lifespan*. Symposium abstract presented at the 14th Annual International Fragile X Conference, Orange County, CA.
- Tonnsen, B. L., McCary, L. M., Mazur, E. L. & **Roberts, J. E.** (2014, July). *Infant attention and genetic risk for autism*. Poster presented at the 2014 International Conference on Infant Studies, Berlin, Germany.
- Tonnsen, B. L., & **Roberts, J. E.** (2014, July). *Biobehavioral correlates of depression and anxiety in women with the FMR1 premutation*. Paper presented at the International Fragile X Conference, Orange County, CA.
- Tonnsen, B. L., Scherr, J. F., Reisinger, D. L., & **Roberts, J. E.** (2014, July). *Longitudinal trends and clinical implications of social approach among infants at high autism risk*. Paper presented at the International Fragile X Conference, Orange County, CA
- Zeiber, N., Richards, J., Tonnsen, B., & **Roberts, J. E.** (2014, July). *Neural correlates of face processing in infants at risk for autism and infants with fragile X syndrome*. Poster presented at the 2014 International Conference on Infant Studies, Berlin, Germany.
- Caravella, K.E., McCary, L.M. & **Roberts, J. E.** (2014, May). *Predicting Differences in Adaptive Skill Development in Infants at Risk for ASD in the First Year of Life: FXS and ASIBS*. Poster presented at the International Meeting for Autism Research, Atlanta, GA.
- McGrath, S. E., Klusek, J., Schworer, E. & **Roberts, J. E.** (2014, May). *Cortisol Stress Response Patterns and Social Behaviors in Adolescent Boys with Fragile X Syndrome and Autism*. Poster presentation at the International Meeting for Autism Research, Atlanta, GA.
- Reisinger, D., Klusek, J., Scherr, J. F., Schworer, E., & **Roberts, J. E.** (2014, May). *Association of social skill deficits and autism symptomology in boys with fragile X syndrome*. Poster presented at the International Meeting for Autism Research, Atlanta, GA.
- McGrath, S. E., Schworer, E., & **Roberts, J. E.** (2014, April). *Cortisol Stress Response Patterns and Maladaptive Behaviors in Adolescent Boys with Fragile X Syndrome and Autism*. Poster presented at the University of South Carolina Graduate School Day, Columbia, SC. Received recognition for an outstanding poster.
- Grefer, M. L., Tonnsen, B. L. & **Roberts, J. E.** (2014, March). *Heart activity in association with ADHD and autistic behavior in children with fragile X syndrome*. Poster presented at the 47th Annual Gatlinburg Conference on Research in Developmental Disabilities, Chicago, IL.
- Klusek, J. & **Roberts, J. E.** (2014, March). *Anxiety as a predictor of pragmatic language difficulties in women with the FMR1 premutation*. In **J. E. Roberts** (Chair), *The co-occurrence of anxiety in fragile X and idiopathic autism: A behavioral and biomarker approach to assessment and treatment across the lifespan*. Symposium abstract presented at the 47th Annual Gatlinburg Conference on Research in Developmental Disabilities, Chicago, IL.
- McGrath, S.E. & **Roberts, J. E.** (2014, March). *Cortisol Stress Response Patterns and Autistic Behaviors in Adolescent Boys with Fragile X Syndrome and Autism*. Poster presented at the 47th Annual Gatlinburg Conference on Research in Developmental Disabilities, Chicago, IL.
- Robinson, M. L., Powell, M. M., Hatton, D. D., & **Roberts, J. E.** (2014, March). *Effortful Control as a Predictor of Behavioral Outcomes in Childhood*. Poster presented at the 47th Annual Gatlinburg Conference on Research in Developmental Disabilities, Chicago, IL.
- Tonnsen, B. L. & **Roberts, J. E.** (2014, March). *Anxiety vulnerability in young males with fragile X: Maternal predictors of risk and resilience*. In **J. E. Roberts** (Chair), *The co-occurrence of anxiety in fragile X and idiopathic autism: A behavioral and biomarker approach to assessment and treatment*

- across the lifespan. Symposium submitted to the 47th Annual Gatlinburg Conference on Research in Developmental Disabilities, Chicago, IL.
- Herron, A., Klusek, J. , Scherr, J. & **Roberts, J. E.** (2013, November). *The broad autism phenotype: Parent-child associations in fragile X syndrome*. Poster presented at the Louisiana State University Undergraduate Research Conference, Baton Rouge, LA.
- Mazur, E. L., Tonnsen, B. L., & **Roberts, J. E.** (2013, November). *Attention engagement and disengagement in infants at risk for autism*. Poster presented at the 2013 Louisiana State University Undergraduate Research Conference, Baton Rouge, Louisiana.
- McCary, L.M., Grefer, M., Mounts, M., Robinson, A., Tonnsen, B., & **Roberts, J.** (2013, February). Differential Assessment: Considerations and Tips for School Psychologists. In L.M. McCary (Chair), *Early Development and Comorbidity in Intellectual Disabilities: Considerations for School Psychologists*. Symposium presented at the meeting of the National Association of School Psychologists, Seattle, WA.
- McCary, L.M., Machlin, L. & **Roberts, J.** (2013, February). Development within the first two years of life: Fragile X, Autism Siblings, Typical Controls, and Developmental Delay. In L.M. McCary (Chair), *Early Development and Comorbidity in Intellectual Disabilities: Considerations for School Psychologists*. Symposium presented at the meeting of the National Association of School Psychologists, Seattle, WA.
- Mounts, M. L., Deal, S. Adlof, S., Hatton, D., & **Roberts, J. E.** (2013, February). Effortful control and early literacy in children with fragile X syndrome. In L.M. McCary (Chair), *Early Development and Comorbidity in Intellectual Disabilities: Considerations for School Psychologists*. Symposium presented at the meeting of the National Association of School Psychologists, Seattle, WA.
- Tonnsen, B. L., McCary, L. M., Deal, S., & **Roberts, J. E.** (2013, March). *Visual attention and autism risk in infants with fragile X*. Poster submitted to the 2013 American Psychological Association Annual Convention, Honolulu, Hawaii.
- Tonnsen, B. L., Zieber, N., **Roberts, J. E.**, & Richards, J.E. (2013, April). *Visual preferences in infants at high-risk for autism: Behavioral and psychophysiological cross-group comparisons*. Poster submitted to the 2013 Biennial Meeting of the Society for Research in Child Development, Seattle, WA.
- Tonnsen, B. L., Richards, J.E. & **Roberts, J. E.** (2013, March). *Heart activity and visual attention in infants at risk for autism*. In **J. E. Roberts**, S. Rivera, and H. C. Hazlett (Co-Chairs), Biobehavioral examination of development in infants and toddlers across the fragile X spectrum of involvement. Symposium to be conducted at the 46<sup>th</sup> Annual Gatlinburg Conference on Research in Developmental Disabilities, San Antonio, TX.