

JANE E. ROBERTS, Ph.D.

Department of Psychology, University of South Carolina
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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

Professor 2013-current
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-current
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

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

Gatlinburg Research Conference Executive Member	2016-present
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

Principal Investigator R01MH107573-01A Emergence, Stability and Predictors of Anxiety in Fragile X Syndrome National Institute of Mental Health, \$3,468,724	2016-2021
Principal Investigator 2 R01 MH90194-06 Emergence and Stability of Autism in Fragile X Syndrome Extension of initial study to longitudinally track infants through preschool. National Institute of Mental Health, \$3,550,989	2016-2021
Co-Investigator (PI: Yolanda Jackson, University of Kansas) 2 R01 MH079252 Trauma exposure, emotion regulation and cognitive skills in early childhood: Prospective and longitudinal examination of the mechanisms of adjustment National Institutes of Mental Health, \$3,427,694	2016-2021

Principal Investigator 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	2015-2016
Faculty Sponsor (PI: Jessica Klusek) F32 DC013934-01 Profiles and Predictors of Pragmatic Language Impairments in the <i>FMR1</i> Premutation National Institute on Deafness and Other Communication Disorders, \$153,858	2014-2016
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.	2010-2011
Principal Investigator 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.	2010-2011
Principal Faculty Investigator (Magellan Scholar: Bailey Tackett) Early Detection of Autism in Fragile X Syndrome Magellan Scholarship Grant, University of South Carolina, \$2,500.	2010-2011
Principal Investigator Molecular-Clinical Correlates in Fragile X Syndrome National Fragile X Foundation, \$65,000	2004-2009
Principal Faculty Investigator (Magellan Scholar: Meredith James) Sensory Treatment for Children with Autism Magellan Scholarship Grant, University of South Carolina, \$3,000.	2008-2009
Principal Faculty Investigator (Advantage Scholar: Caitlin McLearn) Biobehavioral Indices of Cognitive and Behavioral Outcomes in FXS Furman Advantage Scholarship Grant, Furman University \$3,000.	2009
Co-Investigator, R01 Predicting Useful Speech in Children with Autism National Institute on Deafness and Other Communication Disorders, \$985,000 PI: Paul Yoder, Ph.D. 1R01DC006893-01A2	2009-2013
Co-Investigator, R01 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	2008-2013
Principal Faculty Investigator (Student Investigator: Janette Dill) Physiological Underpinning of Sensory Modulation in Toddlers with FXS National Fragile X Foundation; \$2,500	2004
Co-Director, P30 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	2003-2008
Co-Investigator, P30 Family Adaptation to Temperament and Challenging Behavior in FXS	2003-2008

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 2001-2006
 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

Grant Reviewer:

National Institute of Mental Health	2016-2020
Child Psychopathology Developmental Disabilities Section	
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
Guest Co-Editor: <i>American Journal of Intellectual and Developmental Disabilities</i>	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

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

National/International:

Executive Committee Member – Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disorders
Baby Siblings Research Consortium Member

Departmental/University Roles:

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

PUBLICATIONS

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1. **Roberts, J.E.**, Tonnsen, B.L, McCary, L.M., Caravella, K.E., & Shinkareva, S. V. (2016). Brief Report: Autism symptoms in infants with fragile X syndrome, *Journal of Autism and Developmental Delay*. 46(12), 3830-3837.
 2. Tonnsen, B.L., & **Roberts, J.E.** (2016). Characterizing emergent anxiety through the lens of fragile X, *International Review of Research in Developmental Disabilities*, 51, 41- 83.
 3. **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), 859-857.
 4. **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.
 5. 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.
 6. 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.
 7. 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.
 8. 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.
 9. 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.
 10. 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.
 11. 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.
 12. 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.
 13. Klusek, J., **Roberts, J. E.**, & Losh, M. (2015). Cardiac autonomic regulation in autism and fragile X syndrome: A review. *Psychological Bulletin*, 141, 141-175.

14. 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.
15. 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.
16. **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.
17. Symons, F. J., & **Roberts, J. E.** (2013). Biomarkers, behavior, and intellectual disabilities. *American Journal of Intellectual and Developmental Disabilities*, 118 (6); 413-415.
18. 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.
19. 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.
20. 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.
21. **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.
22. 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
23. **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.
24. 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.
25. **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.
26. 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 3rd UK Paediatric Neuropsychology Symposium: Early Brain-Behavior Relationships & Prognostic Indicators 23 – 27. London, UK.
27. 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).
28. 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.
29. 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.
30. **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.
31. **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.
32. 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.
33. 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.
 34. 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.
 35. **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.
 36. **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.
 37. 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.
 38. **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.
 39. 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.
 40. **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.
 41. 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.
 42. 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.
 43. 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.
 44. **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.
 45. **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.
 46. 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.
 47. **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.
 48. **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.
 49. **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.
 50. 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.

51. 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.
52. 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.
53. 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.
54. 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.
55. 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.
56. **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.
57. **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.
58. 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.
59. 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.
60. 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.
61. 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.
62. 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.
63. 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

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

Doctoral Advisor: Emily Powell, Lindsay McCary, Lisa Richardson, Bridgette Tonnsen, Ashley Robinson, Marissa Mounts, Marjorie Grefer, Jessica Scherr, Julie Kellett,

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-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

Preschool Age Psychiatric Assessment (PAPA) Duke University: 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	2001

University of Chicago; Trainer: Dr. Catherine Lord

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.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., Hogan Brown, A., & Caravella, K. (2016, April). Biobehavioral Profiles in Young Children with Fragile X Syndrome. Presented at the Autism Science Talk, Yale Child Study Center, Yale University, New Haven, CT.
- 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 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:

Roberts, J.E., Caravella, K. E., & Hogan, A.L. (2016, October). Autism features in Infants with Fragile X. Paper presented at the Baby Siblings Research Consortium, Annual Meeting, San Diego, CA.

Ezell, J., Matherly, S., O'Connor, S., Smith, C., Abbeduto, L., Roberts J. (2016, May) Prevalence and Predictors of Anxiety Disorders in Adolescent and Adult Males with Autism Spectrum Disorder and Fragile X Syndrome. Poster presented at the International Meeting For Autism Research, Baltimore, MD.

Matherly, S., Ezell, J., Roberts, J.E. (2016, October) Challenges and benefits to identifying and treating anxiety in youth with autism spectrum disorders. Symposium accepted at annual South Carolina Autism Conference, Columbia, SC.

Ezell, J., Matherly, S., Abbeduto, L., Roberts, J. (2016, August). Anxiety and Cortisol in Adult Males with Autism Spectrum Disorder and Fragile X Syndrome. Poster presented at the American Psychological Convention 2016, Denver, CO.

Reisinger, D., Scherr, J., Brewe, A., Spuhler, A., Roberts, J.E., (2016, August) Examining Early Biobehavioral Indicators of Autism Spectrum Disorders in High-Risk Infants. Poster presented at the 2016 APA Annual Convention, Denver, CO.

Scherr, J., Reisinger, D., Roberts, J.E., (2016, August) Patterns of Physiological Arousal in Infants At-Risk for Autism Spectrum Disorder. Poster presented at the 2016 APA Annual Convention, Denver, CO.

Hogan-Brown, A.L., Scherr, J., & Roberts, J.E. (2016, May). Emergence of social fear in young children with ASD and siblings of children with ASD. Poster presented at the 2016 International Meeting for Autism Research, Baltimore, MD.

O'Connor, S., Matherly, S., Ezell, J., Smith, C., Abbeduto, L., & Roberts, J. (2016, May). Prevalence and Predictors of Attention Deficit Hyperactivity Disorder in Adolescent Males with Fragile X Syndrome and Autism. Poster presented at the International Meeting for Autism Research, Baltimore, MD.

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., Brewe, 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., Brewe, A., Scherr, J., Hahn, L., & **Roberts, J. E.** (2015, April). *Early Visual Attention and Autism Symptomology in Infants at High Risk for Autism Spectrum Disorders*. Poster presented at the 48th Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, New Orleans, 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 46th Annual Gatlinburg Conference on Research in Developmental Disabilities, San Antonio, TX.
- Roberts, J. E.**, McCary, L. M., Tonnsen, B. L., & Shinkareva, S. (2012, July). *Longitudinal analyses*

- of mood and anxiety disorders in mothers with the FMR1 premutation.* Paper presented at the 13th International Fragile X Conference, Miami, FL.
- McCary, L.M., Robinson, A., Kellet, J., **Roberts, J. E.** (2012, May). *Dissociation of Maternal Stress in Autism, Fragile X, and Fragile X with Autism.* Poster presented at the International Meeting for Autism Research, Toronto.
- Wehrenberg, B., Joseph, C., Messana, L., Pitts, H., Tonnsen, B.L., & **Roberts, J.E.** (2012, April). *Social fear in infants with fragile X syndrome.* Poster presented at University of South Carolina Discovery Day, Columbia, SC.
- Mounts, M., Tonnsen, B. L., Rizzo, K., Ingram, A., Shelton, H. C., Hatton, D., & **Roberts, J. E.** (2012, May). *Does social shyness predict autism in high risk preschoolers with FXS? A longitudinal examination of behavioral and biomarkers of autism.* Poster presented at the International Conference for Autism Research, Toronto, Canada.
- Tonnsen, B. L., Richards, J. E., & **Roberts, J. E.** (2012, May). *Experimental and parent-reported self-regulation in infants at high- and low- risk for autism.* Poster presented at the 3rd UK Paediatric Neuropsychology Symposium: Early Brain-Behaviour Relationships & Prognostic Indicators, London, UK.
- Tonnsen, B. L., McQuillan, S., Hatton, D., & **Roberts, J. E.** (2012, March). *Behavioral and physiological correlates of negative affect in young children with fragile X syndrome.* In **J. E. Roberts** & C. B. Mervis (Co-Chairs), *Biobehavioral investigations of temperament in fragile X, Williams, and 7q11.23 duplication syndromes.* Symposium conducted at the 45th Annual Gatlinburg Conference on Research in Developmental Disabilities, Annapolis, MD.
- Roberts, J. E.**, Tonnsen, B. L., Mounts, M., McQuillin, S. L., & Hatton, D. D. (2012, March). Factor structure of temperament in fragile X syndrome: The child behavior questionnaire. In **J.E. Roberts** and C. B. Mervis (Co-Chairs), *Biobehavioral investigation of temperament in fragile X, Williams and 7q11.23 deletions and duplications.* Symposium presented at the 45th Annual Gatlinburg Conference of Intellectual Disabilities, Annapolis, MD.
- Mounts, M. L., Hatton, D. D., & **Roberts, J. E.** (2012, March). *Development and predictors of effortful control in young males with fragile X syndrome.* Poster presented at the Gatlinburg Conference of Research and Theory in Intellectual and Developmental Disabilities, Annapolis, MD.
- Robinson, A., **Roberts, J. E.**, Brady, N., Grefer, M., & Warren, S. (2012, March). *Maternal Responsivity in Mothers of Boys with Fragile X Syndrome: Cortisol, Child Age and Problem Behavior.* Poster presented at the Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, Annapolis, MD.
- Grefer, M., Mounts, M., Tonnsen, B. L., Robinson, A., & **Roberts, J. E.** (2011, October). *Investigating early developmental patterns in young children with fragile X syndrome and autism: Applying results to school psychology.* Poster presented at the fall meeting of the South Carolina Association for School Psychologists, Columbia SC.
- Tonnsen, B. L., Malone, P., **Roberts, J. E.** (2011, March). Outcomes associated with early fear in infants and preschoolers with FXS. In **J.E. Roberts** and H. C. Hazlett (Co-Chairs), *Biomarkers and behavioral indicators of anxiety and fear in young males with fragile X syndrome.* Symposium presented at the 44th Annual Gatlinburg Conference of Intellectual Disabilities, San Antonio, TX.
- Roberts, J.E.**, Tonnsen, B.L./Robinson, A. R., Tackett, B., Clark, C. (2011, March). Physiological mechanisms of fear and anxiety in young children with fragile X. In **J.E. Roberts** and H. C. Hazlett (Co-Chairs), *Biomarkers and behavioral indicators of anxiety and fear in young males with fragile X syndrome.* Symposium presented at the 44th Annual Gatlinburg Conference of Intellectual Disabilities, San Antonio, TX.
- Robinson, A. R., **Roberts, J. E.**, Brady, N., & Warren, S. (2011, March). Maternal responsivity and physiological arousal in mothers of young boys with fragile X syndrome. Poster presented at the 44th Annual Gatlinburg Conference of Intellectual Disabilities, San Antonio, TX.
- Roberts, J. E.**, Powell, E., & Mayo, A. (2011, February). Enhancing outcomes in children with neurodevelopmental disorders. In **J. E. Roberts** (Chair), *Predicting outcomes in children with neurodevelopmental disorders.* Symposium presented at the meeting of the National Association of School Psychologists, San Francisco, CA.
- Tonnsen, B., Roberts, J. (2011, March). Attention as a predictor of autism in high risk infants. Invited presentation at Hard Data Café, University of South Carolina, Columbia, SC.

- Tonnsen, B., Englund, J., Tackett, B., Nihart, E., & **Roberts, J. E.** (2010, October). Cross-battery assessment: An integrated approach for South Carolina school psychologists. Poster session presented at the fall meeting of the South Carolina Association for School Psychologists, Columbia, SC.
- Mounts, M., Robinson, A., Tonnsen, B., Powell, E., McDonald, L., Malo, A. & **Roberts, J.E.** (2010, October). Predicting autism in high risk populations: Applying longitudinal results to school psychology. Poster session presented at the fall meeting of the South Carolina Association for School Psychologists, Columbia, SC.
- Roberts, J. E.**, Tonnsen, B. L., McDonald, L. M., & Hatton, D. D. (2010, July). Social responsivity in infants with fragile X syndrome. In **J. E. Roberts** (Chair), *Measurement of cognitive and behavioral profiles in infants with FXS*. Symposium conducted at the 12th International Fragile X Conference, Detroit, MI.
- Roberts, J. E.**, Powell, E. E., & Robinson, A. N. (2010, July). *Longitudinal analyses of mood and anxiety disorders in mothers with the FMR1 premutation*. Paper presented at the 12th International Fragile X Conference, Detroit, MI.
- Roberts, J. E.**, Tonnsen, B. L., McDonald, L. M., & Malo, A. (2010, July). Early social behavior in infants and preschoolers with fragile X syndrome. In K. Cornish (Chair), *Tracing trajectories of strengths and challenges in young children with fragile X syndrome: Why development itself is so important*. Symposium conducted at the 12th International Fragile X Conference, Detroit, MI.
- Roberts, J. E.**, McDonald, L. M., Kelleher, B. L., & Shinkareva, S. (2010, May). *Detection of autism in infants with fragile X syndrome*. Poster session presented at the Ninth International Meeting for Autism Research, Philadelphia, PA.
- James, M., & **Roberts, J. E.** (2010, April). *Intervention without evidence: A descriptive analysis of sensory intervention for students with autism in Columbia, SC*. Paper presented at the Discovery Day Undergraduate Research Forum, University of South Carolina, Columbia, SC.
- Roberts, J. E.**, McDonald, L. M., Kelleher, B. L., & Shinkareva, S. (2010, March). Heart activity and autistic behavior in infants with fragile X syndrome. In **J. E. Roberts** (Chair), *Detection and effect of autism on infants and preschoolers with fragile X syndrome*. Symposium conducted at the 42nd Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, Annapolis, MD.
- McDonald, L. M., & **Roberts, J. E.** (2010, March). Temperament as an early predictor of autism in infants with fragile X syndrome. In **J. E. Roberts** (Chair), *Detection and effect of autism on infants and preschoolers with fragile X syndrome*. Symposium conducted at the 42nd Annual Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, Annapolis, MD.
- Roberts, J. E.**, McLearn, C., & Powell, E. E. (2010, March). Co-morbidity of autism and fragile X syndrome. In **J. E. Roberts** (Chair), *Autism and fragile X syndrome: Child and family factors*. Symposium presented at the annual meeting of The National Association of School Psychologists, Chicago, IL.
- Englund, J., **Roberts, J. E.**, Powell, E. E. (2010, March). *Fragile X syndrome: Its relationship to autism and practical implications*. Paper presented at the annual meeting of Family Connections, Columbia, SC.
- Roberts, J. E.**, Long, A. C. J., & Colombo, J. (2009, March). Development of visual attention in infants with fragile X syndrome. In **J. E. Roberts** (Chair), *Evaluating infants and toddlers at risk: Autism & fragile X syndrome*. Symposium conducted at the 41st Annual Gatlinburg Conference on Research and Theory in Mental Retardation and Developmental Disabilities, New Orleans, LA.
- DeRamus, M., Watson, L. R., Baranek, G. T., & **Roberts, J. E.** (2009, May). *Behavioral and physiological responses to name call in young boys with autism spectrum disorders*. Poster session presented at the International Meeting for Autism Research. Chicago, IL.
- Roberts, J. E.**, Bailey, D. B., Tassone, F., & Kimball, A. (2008, July). *Molecular-clinical correlates in women with the FMR1 premutation: Preliminary analyses*. Poster session presented at the 11th International Fragile X Conference, St. Louis, MO.
- Roberts, J. E.**, Bailey, D. B., & James, A. L. (2008, March). *Longitudinal analyses of mood and anxiety disorders in mothers with the fragile X premutation*. Paper presented at the 40th Annual Gatlinburg Conference on Research and Theory in Mental Retardation and Developmental Disabilities, San Diego, CA.
- Roberts, J. E.**, Baranek, G. T., Dalton, J., McLester, M., & Watson, L. R. (2007, May). *Relation between attention to social stimuli and autism severity*. Poster session presented at the Sixth International Meeting for Autism Research, Seattle, WA.

- Watson, L. R., **Roberts, J. E.**, Baranek, G. T., Perryman, T., & Mandulak, K. (2007, May). *Vagal tone as a predictor of language and social outcomes in young children with autism*. Poster session presented at the Sixth International Meeting for Autism Research, Seattle, WA.
- Roberts, J. E.**, Shanahan, M., & Hatton, D. D. (2007, March). *Negative reactivity in boys with fragile X syndrome*. Paper presented at the 39th Annual Gatlinburg Conference on Research and Theory in Mental Retardation and Developmental Disabilities, Annapolis, MD.
- Mankowski, J. E., **Roberts, J. E.**, Hatton, D. D., & Bailey, D. D. (2007, March). *Mood, anxiety, and stress in mothers of children with fragile X syndrome, autism, and fragile X/autism*. Poster session presented at the 39th Annual Gatlinburg Conference on Research and Theory in Mental Retardation and Developmental Disabilities, Annapolis, MD.
- Roberts, J. E.** (2006, July). *Psychophysiological studies in fragile X syndrome*. 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*. Paper presented at the 10th International Fragile X Conference, Atlanta, GA.
- Roberts, J. E.**, Bailey, D. B., Mankowski, J. B., Golden, R. B., Ford, A., & Sideris, J. (2006, July). *Mood and anxiety disorders in premutation carriers of fragile X syndrome*. Paper presented at the 10th International Fragile X Conference, Atlanta, GA.
- Mason, N., **Roberts, J. E.**, Nagelson, J. L., Dill, J., & Hatton, D. D. (2006, July). *Social fear in young boys with fragile X syndrome*. Poster session presented at the 10th International Fragile X Conference, Atlanta, GA.
- Roberts, J. E.**, & Clark, R. D. (2006, February). *Fragile X syndrome and the classroom teacher*. Paper presented at the TEACCH Winter Inservice, Chapel Hill, NC.
- Roberts, J. E.** (2005, October). *Arousal in fragile X syndrome*. Paper presented at the Biobehavioral Seminar Series, Waisman Center, University of Wisconsin at Madison.
- Roberts, J. E.**, Kaufmann, W. E., Heath, M. T., & Dill, J. T. (2005, April). Specification of autism in fragile X syndrome: Cognitive, behavioral, and physiological correlates. In D. D. Hatton (Chair), *Fragile X syndrome and autism in young children*. Symposium conducted at the biennial meeting of the Society for Research in Child Development, Atlanta, GA.
- Hatton, D. D., Mankowski, J., **Roberts, J. E.**, & Bailey, D. B. (2005, April). Autistic behavior in children with fragile X syndrome: Longitudinal and cross-sectional studies. In D. D. Hatton (Chair), *Fragile X syndrome and autism in young children*. Symposium conducted at the biennial meeting of the Society for Research in Child Development, Atlanta, GA.
- Shanahan, M. E., Nagelson, J., Goldsmith, H. H., Hatton, D. D., **Roberts, J. E.**, & Reznick, J. S. (2005, April). *Distress to limitations: The frustration response of boys with fragile X syndrome*. Poster session presented at the biennial meeting of the Society for Research in Child Development, Atlanta, GA.
- Roberts, J. E.**, Heath, T. M., & Dill, J. S. (2005, March). Physiological mechanisms associated with autistic behavior in young boys with fragile X syndrome. In J. E. Roberts (Chair), *Physiological correlates to behavior and cognition in neurodevelopmental disorders*. Symposium conducted at the 38th Annual Gatlinburg Conference on Research and Theory in Mental Retardation and Developmental Disabilities, Baltimore, MD.
- Weisenfeld, L. A., & **Roberts, J. E.** (2005, March). *Social approach and autism status among young males with fragile X syndrome*. Poster session presented at the 38th Annual Gatlinburg Conference on Research and Theory in Mental Retardation and Developmental Disabilities, Baltimore, MD.
- Heath, T. M., & **Roberts, J. E.** (2005, March). *Social skills and problem behaviors of boys with fragile X syndrome*. Poster session presented at the 38th Annual Gatlinburg Conference on Research and Theory in Mental Retardation and Developmental Disabilities, Baltimore, MD.
- Roberts, J. E.**, Hatton, D. D., Hazlett, C. H., Erba, H. W. (2004, June). Cognitive development in young children with fragile X syndrome. In J. E. Roberts (Chair), *The early years: Current and future collaborative research efforts*. Symposium conducted at the Ninth International Fragile X Conference, Washington, D.C.
- Roberts, J. E.**, Hatton, D. D., Dill, J. T., & Heath, T. M. (2004, June). Physiology in infants with fragile X syndrome: Heart activity and sensory processing. In J. E. Roberts (Chair), *Physiology in infants and children with fragile X syndrome*. Symposium conducted at the Ninth International Fragile X Conference, Washington, D.C.

- Roberts, J. E.,** Mirrett, P. L., & Schaaf, J. M. (2004, February). *Cognition and language in young children with fragile X syndrome*. Paper presented at Early Intervention Strategies for Young Children with Fragile X Syndrome, Palm Springs, CA.
- Hatton, D. D., & **Roberts, J. E.** (2004, February). *Behavior and social emotional regulation in fragile X syndrome*. Paper presented at Early Intervention Strategies for Young Children with Fragile X Syndrome, Palm Springs, CA.
- Roberts, J. E.,** Hatton, D. D., Mirrett, P. L., & Bailey, D. B. (2003, April). Early development in children with fragile X syndrome. In D. D. Hatton (Chair), *Fragile X syndrome: Developmental studies of behavior, cognition, and physiology*. Symposium presented at the 70th Anniversary Meeting of the Society for Research in Child Development, Tampa, FL.
- Roberts, J. E.,** Hatton, D. D., Bailey, D. B., & Mirrett, P. L. (2003, March). Development and psychophysiology of infants and children with fragile X syndrome. In D. D. Hatton (Chair), *Infants with fragile X syndrome: Developmental studies*. Symposium presented at the 36th Annual Gatlinburg Conference on Research and Theory in Intellectual & Developmental Disabilities, Annapolis, MD.
- Roberts, J. E.,** & Mirrett, P. L. (2002, March). *Fragile X syndrome: Research and treatment considerations*. Paper presented at Community Partnership for Early Intervention, Dickinson, ND
- Roberts, J. E.,** & Hatton, D. D. (2002, July). *Development and psychophysiology of infants and children with fragile X syndrome*. Paper presented at the Eighth International Fragile X Conference, Chicago, IL.
- Roberts, J. E.,** Bailey, D. B., Boccia, M. L., & Hatton, D. D. (2002, July). *Psychophysiological measures of arousal: Documentation of treatment effects and impact of disability*. Paper presented at the Eighth International Fragile X Conference, Chicago, IL.
- Boccia, M. L., **Roberts, J. E.,** Hatton, D. D., & Skinner, M. (2001, April). *Temperament and physiology in boys with fragile X syndrome*. Paper presented at the 69th anniversary meeting of the Society for Research in Child Development, Minneapolis, MN.
- Hatton, D. D., & **Roberts, J. E.** (2001, December). *Early development and intervention services for young children with fragile X syndrome*. Paper presented at The Division of Early Childhood of the Council for Exceptional Children, Boston, MA.
- Hatton, D. D., & **Roberts, J. E.** (2000, October). *Behavior in boys with fragile X syndrome*. Paper presented at the Neurodevelopmental Disorders Research Center Symposium, Chapel Hill, NC.
- Roberts, J. E.,** & Hatton, D. D. (2000, October). *Behavior and physiology in fragile X syndrome*. Paper presented at the Seventh International Fragile X Conference, Los Angeles, CA.
- Boyd, B., Seigler, D., Widrick, J., **Roberts, J. E.,** & Baranek, G. (2000, September). *Fragile X syndrome-physiology and behavior of sensory processing disruptions*. Paper presented at the annual conference and exposition of the American Occupational Therapy Association. Seattle, WA.
- Baranek, G. J., & **Roberts, J. E.** (1999, May). *Physiology and sensory processing in children with developmental disabilities*. Paper presented at the NC Mental Retardation Research Center Spring Seminar Series, FPG Child Development Center, Chapel Hill, NC.
- Roberts, J. E.,** Boccia, M. L., Johnson, J. J., Loza, S. A., Bailey, D. B. (1999, April). Biobehavioral regulation in boys with fragile X syndrome. In J. A. Doussard-Roosevelt (Chair), S. W. Porges (discussant), *Vagal regulation and social behavior*. Symposium conducted at the biennial meeting of the Society for Research in Child Development, Albuquerque, NM.
- Boccia, M. L., & **Roberts, J. E.** (1999, February). *Behavior and autonomic nervous system function assessed via heart activity measures: The case of hyperarousal in boys with fragile X syndrome*. Paper presented at the NC Mental Retardation Research Center Spring Seminar Series, FPG Child Development Center, Chapel Hill, NC.
- Roberts, J. E.,** Boccia, M. L., Bailey, D. B., & Hatton, D. D. (1999, April). *Physiological arousal in relation to challenging behaviors: The case of fragile X syndrome*. Paper presented at the meeting of National Association for School Psychologists, Las Vegas, NV.
- Roberts, J. E.,** Hooper, S. T., Hatton, D. D., Roberts, J. F., & Bailey, D. B. (1999, April). *Neuropsychological functioning of males with fragile X syndrome*. Paper presented at the National Association for School Psychologists, Las Vegas, NV.
- Hatton, D. D., **Roberts, J. E.,** & Boccia, M. L. (1999, March). *Temperament and physiology in boys with fragile X syndrome*. Paper presented at the Gatlinburg Conference on Research and Theory in Mental Retardation and Developmental Disabilities, Charleston, SC.

- Roberts, J. E., & Clark, R. D.** (1998, December). *Fragile X syndrome: Overview and challenges in the provision of services*. Paper presented at the Leo M. Croghan Conference on Developmental Disabilities, Raleigh, NC.
- Boccia, M. L., & **Roberts, J. E.** (1998, August). *Behavior and autonomic system function as assessed via heart activity: The case of hyperarousal in boys with fragile X syndrome*. Paper presented at the Second International Conference on Methods and Training in Behavioral Research, Groningen, Netherlands.
- Roberts, J. E.,** Boccia, M. L., & Bailey, D. B. (1998, July). Physiological arousal in boys with fragile X syndrome. In D. D. Hatton (Chair), *Education, behavior, temperament, and hyperarousal*. Symposium conducted at the Sixth International Fragile X Conference, Asheville, NC.
- Roberts, J. E.** (1998, July). *Diagnostic and behavioral treatment considerations for boys with fragile X syndrome*. Paper presented at the Sixth International Fragile X Conference, Asheville, NC.
- Roberts, J. E.,** Boccia, M. L., Johnson, J. J., & Bailey, D. B. (1998, July). *Biobehavioral regulation in boys with fragile X syndrome*. Poster session presented at the Sixth International Fragile X Conference, Asheville, NC.
- Boccia, M. L., **Roberts, J. E.,** Hatton, D. D., & Bailey, D. D. (1998, July). *Temperament and heart rate in boys with fragile X syndrome*. Poster session presented at the Sixth International Fragile X Conference, Asheville, NC.
- Roberts, J. E.** (1998, March). *Psychophysiology as a method to investigate challenging behaviors: The case of fragile X syndrome*. Poster session presented at the Conference on Research Innovations in Early Intervention, Charleston, SC.
- Roberts, J. E.** (1998, March). Biobehavioral regulation in boys with fragile X syndrome. In M. L. Boccia (Chair), *Advances in behavioral, physiological, molecular, and neuropsychological measures, and their relevance to understanding fragile X syndrome and other disabilities*. Symposium conducted at the Gatlinburg Conference on Research and Theory in Mental Retardation and Developmental Disabilities, Charleston, SC.
- Bailey, D. B., Hatton, D. D., & **Roberts, J. E.** (1997, November). *Fragile X syndrome and early intervention*. Paper presented at pre-conference training workshop at the annual international meeting of the Division for Early Childhood, New Orleans, LA.
- Roberts, J. E.** (1997, July). *Biobehavioral regulation in boys with fragile X syndrome*. Poster session presented at the International Conference on Mental Retardation: Genes, Brain and Behavior, Staten Island, NY.
- Bailey, D. B., Hatton, D. D., Clark, R. D., Mayhew, L. A., **Roberts, J. E.,** Hargett, M. Q., & Dunsford-Conway, A. (1997, July). *The Carolina fragile X project: Longitudinal studies of children and factors affecting developmental outcome*. Poster session presented at the International Conference on Mental Retardation: Genes, Brain and Behavior, Staten Island, NY.
- Roberts, J. E.** (1997, January). *Behavioral phenotype of boys with fragile X syndrome: Hyperarousal*. Paper presented at the meeting of Neuroscience Working Group, Frank Porter Graham Child Development Center, Chapel Hill, NC.
- Roberts, J. E.** (1997, May). *Arousal modulation in clinical populations: The case for fragile X syndrome*. Paper presented at the meeting of Neuroscience Working Group, Frank Porter Graham Child Development Center, Chapel Hill, NC.
- Hatton, D. D., Buckley, E., Lachiewicz, A., & **Roberts, J. E.** (1996, July). *Visual acuity and ocular status of boys with fragile X syndrome*. Poster session presented at the Fifth International Fragile X Conference, Portland, OR.