

JANE E. ROBERTS
Curriculum Vitae

Work Address

University of South Carolina
Department of Psychology
1512 Pendleton Street
Barnwell 224
Columbia, SC 29028

Home Address

26 Hilton Glen Court
Chapin, SC 29036
Fax: (803) 777 – 9558
Phone: (803) 777-4638
Email: Jane.Roberts@sc.edu

EDUCATION

Post-Doctoral Fellowship – Physiological Regulation, UNC, Chapel Hill, NC	1999
Ph.D.- 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

<p>Associate Professor Department of Psychology, University of South Carolina Teach graduate courses in the APA-approved school psychology program and undergraduate psychology program, conduct research, and provide consultation and service.</p>	2008-current
<p>Scientist FPG Child Development Institute, University of North Carolina at Chapel Hill Principal Investigator, Molecular-Clinical Correlates in Fragile X Syndrome; Investigator, Family Adaptation to Temperament and Challenging Behavior in FXS;</p>	2006-2008
<p>Investigator FPG Child Development Institute, University of North Carolina at Chapel Hill Principal Investigator, Physiological Underpinnings of Sensory Modulation in Toddlers with FXS, Molecular-Clinical Correlates in Fragile X Syndrome; Investigator, Family Adaptation to Temperament and Challenging Behavior in FXS, Attention, Memory, & Executive Function in FXS.</p>	1999-2006
<p>Clinical Assistant Professor Education Department, University of North Carolina at Chapel Hill Taught undergraduate and graduate courses in research methods, leadership, professional development, assessment, and supervised internships.</p>	1998-2008
<p>Co-Instructor Psychology Department, University of North Carolina at Chapel Hill Taught undergraduate courses in research methods and supervised independent research projects.</p>	1996-2008
<p>Post-Doctoral Fellow FPG Child Development Institute, University of North Carolina at Chapel Hill Physiological regulation in persons who are typically developing and those with neurodevelopmental disorders throughout the lifespan. Non-invasive physiological measures include heart activity, blink rate, salivary cortisol, and galvanic skin response in addition to molecular measures of DNA, messenger RNA, and FMR 1 protein.</p>	1998-1999

- Social Research Associate 1995-1998
 FPG Child Development Institute, University of North Carolina at Chapel Hill
 Carolina Fragile X Project: Collected and analyzed cognitive, behavioral, and physiological data from children with fragile X syndrome.
- Clinical Associate 1996-1998
 Duke University, Durham, North Carolina
 Pediatric Infectious Disease Clinic: Conducted neuropsychological assessments of children infected with HIV and consulted with medical staff on health and risk status.
- Adjunct Professor 1991-1993
 Palm Beach Atlantic College, Palm Beach, Florida
 Taught undergraduate courses in the Education and Psychology departments
- School Psychologist 1990-1995
 Palm Beach County Public School System
 Provided diagnostic, consultative, counseling, and therapeutic services to students with and without developmental disabilities aged three to twenty-one.
- School Psychologist 1989
 Broward County Public School System
 Provided diagnostic, counseling, and therapeutic services to students with and without developmental disabilities aged six to twenty-one.
- Psychiatric Residential Program Coordinator 1988
 Residential Services Inc., Hartford, Connecticut
 Implemented a residential program to address the social, educational, and vocational needs of adults with psychiatric disorders entering the community setting.
- Special Education Teacher/Preschool Program Director 1986 - 1987
 Tolland County Public School System/Mansfield's Co-operative Preschool
 Team taught elementary-aged children (k-3) in an inclusive program and directed a co-operative community preschool serving children 0-5.
- Psychiatric Deinstitutionalization Program Supervisor 1985
 South County Mental Health Institute, Delray Beach, Florida
 Managed a two-tier community mental health residential program designed to serve the vocational, educational, and independent living needs of adults with mental illness.

SERVICE/COMMUNITY OUTREACH

- Adjunct Reviewer – *Genes, Brain, and Behavior*
 Adjunct Reviewer – *Developmental Neuropsychology*
 Adjunct Reviewer – *Biological Psychiatry*
 Adjunct Reviewer – *Health Psychology*
 Adjunct Reviewer – *American Journal on Mental Retardation*
 Adjunct Reviewer- *Journal of Autism and Developmental Disorders*
 Advisory Board Member – FPG Child Care Program
 Proposal Reviewer – *Division for Early Childhood Conference*
 Adjunct Reviewer – *Developmental Psychobiology*
 Adjunct Reviewer - *Journal of Early Intervention*

AFFILIATIONS/CERTIFICATIONS

American Psychological Association
 Society for Research in Child Development
 Council for Exceptional Children: Division for Early Childhood
 National Association for School Psychologists
 Nationally Certified School Psychologist: NCSP
 North Carolina Teaching Certificate: School Psychology, Birth - Kindergarten

TEACHING/INSTRUCTION

Associate Professor, Department of Psychology, University of South Carolina

Undergraduate Courses:

PSY 420	Developmental Psychology	2008-current
---------	--------------------------	--------------

Clinical Assistant Professor, Education Department: UNC-CH

Undergraduate Courses Taught:

EDUC 496	Independent Research Study	2004-2008
EDUC 503	Early Childhood Professional Development	2003-2006
EDUC 401	Early Childhood Development	2000
EDUC 502	Preschool/Kindergarten Internship	1998-1999
EDUC 405	Preschool/Kindergarten Internship Seminar	1998-1999

Graduate Courses Taught:

EDUC 761	Professional Development and Leadership	2007
EDUC 665	Assessment Strategies: Practicum Supervision	2003

Co-Instructor, Department of Psychology: UNC-CH

Undergraduate Courses Co-Taught:

Psych 395	Independent Research	1997-2008
Psych 693/694	Honors Research	1996-2008

Student Committee Involvement

Doctoral Dissertation, Primary Research Mentor: Anna James School Psychology, UNC-CH Caregiving Roles of Fathers in Children with FXS	2006-Present
---	--------------

Doctoral Dissertation, Primary Research Mentor: Jean Mankowski School Psychology, UNC-CH Mental Health Outcomes in Mothers of Children with FXS vs. Autism	2002-2007
--	-----------

Undergraduate Honor's Thesis, Margot Miranda Psychology, UNC-CH Efficacy of Stimulant Medication Use in Boys with FXS	2006-2007
---	-----------

Research Advisor

Division of Occupational Therapy, UNC-CH University of North Carolina at Chapel Hill Advisor of research study for master's level OT students.	1998-1999
--	-----------

Adjunct Professor

Education Department, Palm Beach Atlantic College. FL

Undergraduate Courses Taught

Psych 86: Introduction to Psychology	1991
Educ 121: Psychology of Exceptional Students	1991-1993

COMMITTEE ACTIVITIES

Doctoral Dissertation Committee Member: School Psychology, UNC -CH	2002-Present
Co-Chair, Orange County Educational Enrichment Committee	2006-Present
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

AWARDS/HONORS

Faculty member, International Fragile X Conference	2000 - 2008
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 Molecular-Clinical Correlates in Fragile X Syndrome National Fragile X Foundation: \$65,000	2004-2008
Principal Investigator Physiological Underpinning of Sensory Modulation in Toddlers with FXS National Fragile X Foundation; \$2,500	2004
Post-Doctoral Grant, Co-Principal Investigator Psychophysiological Measures of Arousal FRAXA Research Foundation; \$60,000	1998-2000
Student Co-Principal Investigator Biobehavioral Regulation in Boys with Fragile X Syndrome U.S. Department of Education and Rehabilitation Services: Special Education Program: \$19,995	1997-1998
Co-Director Data Collection Core: Family Adaptation to FXS NIH: National Institute of Child Health and Human Development PI: Don Bailey, Ph.D.; \$947,284	2003 - 2008
Key Investigator 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	2003 - 2008
Project Director Fragile X Information Web Site Ronald McDonald House Charities PI: Don Bailey, Ph.D. \$272,558	2001 - 2004
Investigator Attention, Memory, and Executive Function in FXS NIH: National Institute of Child Health and Human Development PI: Don Bailey, Ph.D. \$1,267,422	2001 - 2006

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

SPECIALIZED TRAINING

Autism Diagnostic Interview-Revised 2001
University of Chicago; Trainer: Dr. Catherine Lord

Neonatal Assessment: Brazelton 1996
Wake Regional Medical Center; Supervisor: Dr. James Helm

Infant and Toddler Assessment: Infanib 1996
Duke University Medical Center; Supervisor: Dr. Karen O'Donnell

Pediatric Neuropsychological Assessment 1997-1998
Duke University Medical Center; Supervisor: Dr. Karen O'Donnell

Multicultural Assessment of Individuals with Special Needs 1987
University of Connecticut at Storrs

PUBLICATIONS

Under Review

Roberts, J. E., Miranda, M.M., Magruder, H. A., Hatton, D. D., & Boccia, M.L. (under review).
Stimulant medication treatment effects in boys with fragile X syndrome.

Roberts, J. E., Mankowski, J., Hatton, D.D., Baranek, G. T., Mirrett, P. L., Reznick, J. S., & Bailey,
D. B. (under review). Developmental skills in infant and toddler boys with fragile X syndrome.

Published

Roberts, J. E., Mirrett, P. L., & Schaaf, J. M. (in press). Developmental skills in young children with fragile X syndrome. In D.B. Bailey, S. Warren, D. D. Hatton, & N. Brady (Eds.), *Early Intervention in fragile X syndrome*. Baltimore, MD: Brookes Publishing.

Hatton, D. D., & **Roberts, J. E.** (in press). Behavior and physiological regulation in young children with fragile X syndrome. In D.B. Bailey, S. Warren, D. D. Hatton, & N. Brady (Eds.), *Early Intervention in fragile X syndrome*. Baltimore, MD: Brookes Publishing.

Hatton, D.D., Wheeler, A., Sideris, J., Sullivan, K., Reichardt, A., **Roberts, J.E.**, Clark, R., & Bailey, D.B. (in press). Developmental trajectories of young girls with fragile X syndrome. *American Journal of Mental Retardation*.

Roberts, J.E., Bailey, D.B., Mankowski, J., Ford, A. F., Weisenfeld, L. H., Heath, T. M, & Golden, R. E. (2008). Mood and anxiety disorders in females with the FMR1 premutation. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, (Epub ahead of print)

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*, (Epub ahead of print)

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.

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.

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.

- 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.
- 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.
- Roberts, J. E.**, King-Thomas, L. & Boccia, M. L. (2007). Behavioral indices of the efficacy of sensory integration therapy. *American Journal of Occupational Therapy*, 61(5), 555-562.
- 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.
- 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..
- 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.
- 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.
- Skinner, M. L., Hooper, S. R., Hatton, D. D., **Roberts, J. E.**, Mirrett, P. L., Schaaf, J. L., Sullivan, K. M., Wheeler, A. C., & Bailey, D. B., (2005). Mapping nonverbal IQ in young boys with fragile X syndrome. *American Journal of Medical Genetics*, 32, 25 - 32.
- 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-and 12 months. *Journal of Autism and Developmental Disorders*, 34(5),645-656.
- 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 Associates.
- 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.
- Hatton, D.D., Wheeler, A.C., Skinner, M.L. Bailey, D.B., Sullivan, K.M., **Roberts, J.E.**, Mirrett, P.L., & Clark, R.D. (2003). Adaptive behavior in children with fragile X syndrome. *American Journal on Mental Retardation*,;108(6), 373-390.
- 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.
- 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.
- 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.
- Hatton, D. D., Bailey, D. B., Roberts, J. P., Skinner, M., Mayhew, L., Clark, R. D., Waring, M. E., & **Roberts, J. E.**, (2000). Early intervention services for young boys with fragile X syndrome. *Journal of Early Intervention*, 23, 23-37.
- 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.
- 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.

- Boccia, M. L., & Roberts, J. E. (2000). Computer-assisted integration of physiological and behavioral measures. In Thompson, T., Felce, D., & Symons, F. J., *Computer Assisted Behavioral Observational Methods for Developmental Disabilities* (pp.83-97). Baltimore, MD: Brookes.
- 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.
- 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. Ann Arbor, MI: UMI Dissertation Services.

SELECTED PRESENTATIONS (33 OUT OF 65):

- Roberts, J. E., Bailey, D. B., Tassone, F., & Kimball, A. (2008, July). Molecular-clinical correlates in women with the FMR1 premutation: Preliminary analyses. Poster 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 6th 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 6th 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*. 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., 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 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*. 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.

- 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.
- 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 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 9th 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 9th International Fragile X Conference, Washington, D. C.
- Hatton, D. D., & Roberts, J. E. (2004, February). *Behavior and social emotional regulation in fragile X syndrome*. 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 a 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 8th 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 8th International Fragile X Conference, Chicago, IL.
- Roberts, J. E. & Hatton, D. D. (2000, October). *Behavior and physiology in fragile X syndrome*. Paper presented at the 7th International Fragile X Conference, Los Angeles, CA.
- Boyd, B. Seigler, D. Widrick, J. Roberts, J & 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.

- 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.
- 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 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.
- 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, The 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., (1998, March). *Psychophysiology as a method to investigate challenging behaviors: The case of fragile X syndrome*. Poster 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*. Pre-conference training workshop, annual international meeting of the Division for Early Childhood, New Orleans, LA.