

LUCY JANE MILLER, PH.D., OTR

ASSOCIATE CLINICAL PROFESSOR OF REHABILITATION MEDICINE & PEDIATRICS

I. PROFESSIONAL HISTORY

- 2005-Pres: **Academic Position:** Associate Clinical Professor, Departments of Rehabilitation Medicine and Pediatrics, University of Colorado Denver, Denver, CO
- 2006-Pres: **Academic Position:** Professor, Rocky Mountain University of Health Professions, Doctoral Programs in Pediatrics, Provo, UT
- 2005-Pres: **Clinical Position:** Director, Sensory Therapies And Research Center (STAR Center), Greenwood Village, CO
- 1979-Pres: **Director Position:** Executive Director, Foundation for Knowledge In Development, (KID Foundation) Greenwood Village, CO (presently DBA Sensory Processing Disorder Foundation: SPD Foundation)
- 1994-2005: **Academic Position:** Associate Professor, Departments of Rehabilitation Medicine and Pediatrics, University of Colorado Denver, Denver, CO
- 1994-2005: **Clinical Position:** Director of Sensory Processing Treatment And Research Center (STAR Center), The Children's Hospital, Denver, CO
- 1979-2005: **Director Position:** Founder and Executive Director of the KID Foundation (Foundation for Knowledge In Development), Littleton, CO

II. EDUCATIONAL HISTORY AND GRADUATE TRAINING

- 2007 Certificate of Reliability in the use of the Sensory Integration Fidelity Measure, Spiral Foundation at OTA Watertown, MA
- 2002: Certificate of Completion from the Mayo School of Continuing Medical Education in Psychiatric Genomics: Applications for Clinical Practice
- 2002: Certificate of Completion from the American Occupational Therapy Association, Inc. in An Occupational Performance Measurement Model for Use With Older Adults
- 1999: Certificates from University of Michigan School of Public Health, Graduate Summer Session in Epidemiology: Design and Conduct of Clinical Trials, Analysis of Clinical Trials, Introduction to the Logistic Model, and Introduction to Systematic Reviews and Meta-analysis
- 1999: Certificate from University of Michigan at the Inter-University Consortium for Political and Social Research Summer Program: Categorical Data Analysis: Introduction to Regression Models
- 1986: **Ph.D.** Early Childhood Special Education, University of Denver (Educational Research Specialty)
- 1976-1978: Intensive two year Traineeship affiliated with the Psychoanalytic Institute of Boston with Joanne Fineman, M.D., and Judith Singer, Ph.D., Boston, MA
- 1974: **M.S.** Occupational Therapy, Boston University (Neurology Specialty)
- 1973: June-Sept. Intensive Traineeship in Sensory Integration Dysfunction with Dr. A. Jean Ayres; Torrance, CA
- 1972: **B.S.** Psychology, Lewis and Clark College (Oregon)

III. BOARD CERTIFICATIONS

American Occupational Therapy Association: #274878: OTR Certification

IV. OTHER ACADEMIC UNIVERSITY APPOINTMENTS

- 1999-Pres: Associate Research Professor, Department of Psychology, University of Denver, Denver, CO
- 1997-2005: Member, University of Colorado Health Sciences Center Graduate Faculty, Denver, CO

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1991-1993: Assistant Professor, Department of Occupational Therapy, Washington University, School of Medicine, St. Louis, MO (25% time)

1991-Pres: Adjunct Faculty Member, Texas Women's University, Denton, TX.

1990-Pres: Adjunct Faculty Member, Department of Occupational Therapy, Colorado State University

1989-Pres: Adjunct Faculty Member, Department of Occupational Therapy, Boston University

1988-1991: Research Fellow, University of Illinois at Chicago, Center for Research in Measurement

V. PROFESSIONAL POSITIONS

2005-Pres: Founded and Directs the Sensory Therapies And Research Center (STAR Center), in the Denver Technological Center, Greenwood Village, CO.

- Designed and implemented a 8000 square foot facility to conduct intervention using occupational therapy, listening therapy and psychotherapy
- Hired and supervises occupational therapists, psychologists, administrative staff and others
- Coordinates services to clients

2005-Pres: Research Director, SPD Foundation

- Coordinates research program for Foundation
- Directs advocacy program effort to get Sensory Processing Disorder into Diagnostic Classification Schemes (Diagnostic and Statistical Manual – DSM-V and others)
- Supervises staff including neuroscientist, statistician, senior occupational therapy researcher and research assistants
- Coordinates grant submissions
- Coordinates publication efforts

1999-2005: Founded and Directed the Sensory Processing Treatment And Research Center at The Children's Hospital (Imhoff Pavilion)

- Principal Investigator in Sensory Modulation Dysfunction research
- Responsible for all day-to-day operations including staff supervision
- Management of projects in timely and efficient manner
- Conceptual responsibility for research questions and research methods
- Overall responsibility for interpretation and dissemination of results
- Overall responsibility for education and training of students
- Overall responsibility for quality of clinical care
- Overall responsibility for submitting grant funding to continue the program

1996-1999: UCSHC, JFK Partners. Co-authored and obtained Project ENRICH U.S. Department of Education Model Demonstration Project

- Developed and implemented a replicable model of providing OT, PT, ST, and education services to infants and toddlers with low-incidence disabilities in natural settings. Project Director 1996-1997; 1998-1999 Direct Clinical Occupational Therapy Services (part-time)
- Provided services to over 50 families
- Responsible for overall training program including more than 50 students representing diverse multi-disciplinary backgrounds

1994-1996: UCHSC, JFK Partners. Team Leader for Infant Toddler Assessment Team at JFK Partners, UCHSC

- Provided for overall multi-disciplinary assessment services to over 100 children
- Overall responsibility for training students (more than 50 students trained)
- Responsible for bringing team from operating in red to black

1983-1993: Co-Founder and Practicing Occupational Therapist, Neuro-Developmental Center (CO)

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- 1978-2005: Executive Director, Foundation for Knowledge In Development (KID Foundation), Littleton, CO
- Responsible for day-to-day operations, including staff supervision, budget development and monitoring, and programmatic decisions
 - In charge of long-term planning, vision, and scope of work for the Foundation
 - Conceptual responsibility for Research and Development of all projects
 - Measurement responsibilities, including design and implementation of pilot scales, Research and Standardization Editions of scales, and analysis of psychometric properties of tests
 - Responsible for obtaining funding to promote future activities in coordination with The Children's Hospital of Denver and the University of Colorado Health Sciences Center
- 1976-1978: Early Childhood Program Director, Dorchester Mental Health Center (MA)
- 1974-1976: Senior Occupational Therapist, Lindemann Mental Health Center (MA)
- 1973-1974: Staff Occupational Therapist, United Cerebral Palsy – Kinderschool (MA)

VI. AWARDS, HONORS AND SPECIAL RECOGNITION

- 2007 Outstanding Medical Professional: Bauman Ladders Program, Harvard University, Boston, MA
- 2005: Spiraling Toward Excellence Annual Award for Excellence as a Researcher, Mentor and Leader in Occupational Therapy: Spiral Foundation, Watertown, MA
- 2005: Martin Luther King Humanitarian Award, State of Colorado, Division of Civil Rights
- 2004: Marjorie Ball Award of Merit: Occupational Therapy Association of Colorado (highest award in the state association)
- 2004: Award of Merit: American Occupational Therapy Association (highest award in the national association)
- 2004: Fellow of the American Occupational Therapy Association
- 2001: Bridges to the Future: Pediatric Therapy Network Annual Outstanding Research Award
- 1999: Occupational Therapy Outstanding Alumni Award: Boston University Sargent College of Health and Rehabilitation Sciences
- 1994: Nominated for President Clinton's National Education Standards and Improvement Council
- 1994: Award of Merit (Third Place) International Technical Publications Competition: Society for Technical Communication for FirstSTEP Examiner's Manual
- 1994: Distinguished Technical Communication (First Place). Regional Technical Publications Competition, Society for Technical Communications for FirstSTEP Examiner's Manual
- 1993: Special Recognitions Award: Boston University Alumni Association
- 1992: A. Jean Ayres Research Award: American Occupational Therapy Foundation
- 1990: Cordelia Myers Writers Award: American Occupational Therapy Association
- 1988: Charter Member (one of first ten members), Academy of Research: American Occupational Therapy Foundation

VII. CONTRIBUTIONS TO DIAGNOSTIC CLASSIFICATION SYSTEMS

The Interdisciplinary Council on Developmental and Learning Disorders (ICDL).

- 2005 **Miller**, L.J., Lane, S., Cermak, S., Osten, E., & Anzalone, M. (2005). Section I - Primary diagnosis: Axis I: Regulatory-Sensory Processing Disorders. In S.I. Greenspan & S. Wieder (Eds.), *Diagnostic manual for infancy and early childhood: Mental health, developmental, regulatory-sensory processing and language disorders and learning challenges (ICDL-DMIC)* (pp. 73-112). Bethesda, MD: Interdisciplinary Council on Developmental and Learning Disorders (ICDL).
- 2005 **Miller**, L.J., Lane, S.J., Cermak, S., Anzalone, M., Osten, E., & Greenspan, S. (2005). Appendix III: Guide for observations during clinical evaluation of Regulatory-Sensory Processing Disorders: Version 1.0. In S.I. Greenspan & S. Wieder (Eds.), *Diagnostic manual for infancy and early childhood: Mental health, developmental, regulatory-sensory processing and language disorders and learning challenges (ICDL-DMIC)* (pp. 289-327). Bethesda, MD: Interdisciplinary Council on Developmental and Learning Disorders (ICDL).

The Diagnostic Classification: Zero To Three (DC:0-3R)

- 2005 Consultant to DC: 0-3 Revised. Resulted in Regulatory Disorder of Sensory Processing being included in *Diagnostic classification of mental health and developmental disorders of infancy and early childhood: Revised edition (DC:0-3R)*. (2005) Washington, DC: ZERO TO THREE Press.

Consensus Building within the Profession of Occupational Therapy

- 2000 **Miller**, L.J. & Lane, S.J. (2000). Toward a consensus in terminology in sensory integration theory and practice: Part 1: Taxonomy of neurophysiologic processes. *Sensory Integration Special Interest Section Quarterly*, 23(1), 1-4.
- 2000 Lane, S.J., **Miller**, L.J., & Hanft, B.E. (2000). Toward a consensus in terminology in sensory integration theory and practice: Part 2: Sensory integration patterns of function and dysfunction. *Sensory Integration Special Interest Section Quarterly*, 23(2), 1-3.
- 2000 Hanft, B.E., **Miller**, L.J., & Lane, S.J. (2000). Toward a consensus in terminology in sensory integration theory & practice: Part 3: Observable behaviors: Sensory Integration Dysfunction. *Sensory Integration Special Interest Section Quarterly*, 23(3), 1-4.

VIII. MEMBERSHIP IN PROFESSIONAL SOCIETIES

- 1972-pres American Occupational Therapy Association and Occupational Therapy Association of CO
- 1998- pres Society for Psychophysiological Research
- 1998-pres: Pediatric Therapy Network Charter Member, Research Advisory Council
- 1991-1993: Arapahoe County Early Childhood Network Executive Committee, IDEA
- 1988-1995: Member, Developmental Disability Prevention Advisory Board, Colorado Department of Health
- 1987-1995: Colorado Interagency Coordinating Council (for IDEA) Appointee. Member of following committees: Child Identification and Assessment; Evaluation Committee; Executive Committee; Finance Committee
- 1990-1994: Colorado Interagency Coordinating Council (for IDEA) Executive Committee
- 1979- Pres: Foundation for Knowledge In Development (Board of Directors)

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1978-Pres: Sensory Integration International Faculty Emeritus

1978-1979: Developmental Disabilities Special Interest Section Chairperson, American Occupational Therapy Association

1975-1978: Boston Center for Blind Children Board Member

IX. INSTITUTIONAL COMMITTEES

2005-2006: Chair of the Biennial Developmental Psychobiology Research Group meeting, "The Sensory Dimension in Neurodevelopmental Disorders" Estes Park, CO.

1997-2005: Pediatric Clinical Research Center Scientific Advisory Committee, University of Colorado Health Sciences Center

1994-Pres: Developmental Psychobiology Research Group, University of Colorado Health Sciences Center, Departments of Psychiatry and Pediatrics

1989-2000: Developmental Disabilities Research Group, University of Colorado Health Sciences Center, Departments of Pediatrics and Psychiatry

X. REVIEWS AND REFEREE WORK

A. Grant Reviewer

2002: National Institute of Health, NICHD: National Center for Medical and Rehabilitation Research. Medical Research Subcommittee (CHHD-K)

2002: National Institute of Health, NICHD: National Center for Medical and Rehabilitation Research. Medical Research Subcommittee (BBBP-6)

2000: National Institute of Health, NICHD: National Center for Medical and Rehabilitation Research. Ad Hoc Study Section to review Program Project Awards

1991-Pres: U.S. Department of Education, Office of Special Education Projects

1988-Pres: Colorado State Department of Education (P.L. 99-457)

1986-Pres: American Occupational Therapy Foundation

B. Journal Reviewer

1992-Pres: Guest Reviewer, *Topics in Early Childhood Special Education*

1988-Pres: Guest Editor, *Physical & Occupational Therapy in Pediatrics*

1986-Pres: Guest Reviewer, *Perceptual and Motor Skills*

1986-Pres: Guest Reviewer, *American Journal of Occupational Therapy*

1984-1989: Editorial Review Board, *Physical & Occupational Therapy in Pediatrics*

XI. CONSENSUS MEETINGS/STATEMENTS

2006: Sensory Processing Disorder Scientific Work Group, Planning Retreat 4, Cape May, NJ

2005: Sensory Processing Disorder Scientific Work Group, Planning Retreat 3, Bethesda, MD

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- 2005: Alpha Multi-site Research Group Planning Meeting: Silverthorne, CO
- 2004: Alpha National Multi-site Effectiveness of OT Planning Meeting, Cape May, NJ
- 2004: Sensory Processing Disorder Scientific Work Group: Planning Retreat-2, Boulder, CO
- 2003: Alpha Group Multi-Site Outcomes Study Planning Group, Nantucket, MA
- 2002: Sensory Processing Disorder Scientific Work Group: Planning Retreat-1, Evergreen, CO
- 2002: Alpha Group Multi-Site Outcomes Study Planning Group Boston, MA
- 2002: Alpha Group Multi-Site Outcomes Study Planning Group Miami, FL.
- 2002: Alpha Group Multi-Site Outcomes Study Planning Group, Los Angeles, CA

XII. RESEARCH GRANTS (PRINCIPAL INVESTIGATOR ON ALL AWARDS)

[Awarded]

- 2006: "Evaluation of Sensory Processing Disorder in Individuals with Prader-Willi Syndrom," Foundation for Prader-Willi Research. [\$40,000]
- 2005: "SPD Scientific Work Group Meeting: Education for Sensory Processing Disorder," Wallace Research Foundation. [\$30,000]
- 2005: "Advocacy for Sensory Processing Disorder," Wallace Research Foundation. [\$25,000]
- 2005: "Auditory and Somatosensory Evoked Potentials in Children with Autism," Pediatric General Clinical Research Center Pilot and Feasibility Grant, University of Colorado Health Sciences Center, Denver, CO. [\$30,000]
- 2004: "Education and Public Support for Sensory Processing Disorder," Wallace Research Foundation. [\$35,688]
- 2003: "Understanding Clinical Variability In Sensory Processing Impairments in Children – Year Two," Pediatric General Clinical Research Center Pilot and Feasibility Grant, University of Colorado Health Sciences Center, Denver, CO. [\$12,500]
- 2003: "General Operating Expenses," Tuchman Family Foundation. [\$5,000]
- 2003: "General Operating Expenses," Universal Lending Foundation. [\$2,500]
- 2003: "General Operating Expenses," Bridges, Barbara Family Foundation. [\$250]
- 2003: "Web Site Development," ECA Foundation, Denver, CO. [\$2,500]
- 2003: "Quantitative Psychophysiologic Evaluation of Sensory Processing in Children with Autism Spectrum Disorders," Cure Autism Now, Los Angeles, CA. [\$40,000]
- 2003: "Effectiveness of OT for Children with Sensory Processing Difficulties: A Randomized Clinical Trial," Diana Boulter Research Scholar Award – Year Two, The Children's Hospital, Denver, CO. [\$70,000]

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- 2003: "Development of a Screening Procedure for Sensory Responsivity," Wallace Research Foundation. [\$36,730]
- 2003: "Development of a Screening Procedure for Sensory Responsivity," Coleman Institute for Cognitive Disabilities. [\$15,360]
- 2002: "Understanding Clinical Variability In Sensory Processing Impairments in Children," Pediatric General Clinical Research Center Pilot and Feasibility Grant, University of Colorado Health Sciences Center, Denver, CO. [\$12,500]
- 2002: "Sensory Research Planning Retreat," Wallace Research Foundation. [\$16,488]
- 2002: "Sensory Research Planning Retreat," Coleman Institute for Cognitive Disabilities, Boulder, CO. [\$3,000]
- 2002: "Defining the Phenotypes of Sensory Processing Impairments (SPI) in Children," Pediatric General Clinical Research Center, University of Colorado Health Sciences Center, Denver, CO (5 M01 RR00069).
- 2001-2002: "Outcome of Sensory-Based Intervention after Birth Trauma," R21 One-Year Planning Grant RFA, National Institutes of Health: National Institute of Child Health and Human Development (1R21HD/AR41614-01). [\$75,000]
- 2001: "Effectiveness of OT for Children with Sensory Processing Difficulties: A Randomized Clinical Trial," Diana Boulter Research Scholar Award, The Children's Hospital, Denver, CO. [\$70,000]
- 2001: "Electroencephthography (EEG), Electrodermal Reactivity (EDR) and Vagal Tone Equipment," Wallace Research Foundation. [\$43,953]
- 2001: "Discriminating Attention Deficit Hyperactivity Disorder and Sensory Modulation Dysfunction in Children", HealthONE Alliance. [\$25,000]
- 2001: "Differentiating of Two Developmental Disabilities in Early Childhood," The Melrene Fund. [\$12,000]
- 2000-2001: "Outcomes of Occupational Therapy: Children with Symptoms of SMD," American Occupational Therapy Foundation. [\$30,000]
- 2000: "The Genetics of Sensory Modulation Dysfunction: A Planning Grant," Wallace Research Foundation. [\$70,000]
- 2000: "Parasympathetic Functions in Children with Sensory Modulation Dysfunction," Developmental Psychobiology Research Group, Department of Psychiatry, University of Colorado School of Medicine, Denver, CO. [\$5,000]
- 1999-2001: "OT Outcomes: Children with Sensory Modulation Disorders," Mentored Research Scientist Development Award (1K01HD001183-01A1). [Priority Score 138 - \$252,720]
- 1995-1999: "Sensory Modulation Disorders: Etiology, Diagnosis and Treatment," Wallace Research Foundation. [\$759,000]
- 1997: "Parent Neurodevelopmental Prescreening Questionnaire," National Institutes of Child Health and Human Development (1R43HD034658-01). [\$77,579]
- 1996: "Measuring Psychophysiological Effects of Sensory Integration Treatment," Sensory Integration International. [\$5,560]

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- 1996: "Researching the Efficacy of Occupational Therapy in Children who have Sensory Integrative Disorders," National Institutes of Health & Grant Writer's Workshop, American Occupational Therapy Foundation. [\$1,000]
- 1994-1996: Project ENRICH "Integrating Daily Activities," Project Director, Department of Education. [\$398,952]
- 1993: "Developing a Taxonomy of Motor Dysfunction in Children," National Institute of Child Health and Human Development, NIH, Small Business Innovation Research Program (1R43HD029664-01). [\$50,000]
- 1992: "Stability and Accuracy of Measuring Infant/Toddler Cognitive Functions Using a Parent-Centered Approach," Department of Education. [\$75,000]
- 1992: "Understanding Resiliency in Vulnerable Families--Phase I," National Institute of Child Health and Human Development, NIH, Small Business Innovation Research Program. [\$50,000]
- 1992: "Screening Spanish-Speaking Preschoolers to Identify Children "At-Risk" for School Problems," Junior League of Denver, Inc. [\$4,000]
- 1992: "Sensory Integration Research Symposium; Age Norms for Infant/Toddler Motor Assessment," American Occupational Therapy Foundation. [\$10,000]
- 1991: "Primer Paso Preliminary Nationwide Normative Information," American Occupational Therapy Foundation. [\$5,000]
- 1990: "Strategies for Analyzing Infant and Toddler Movement--Phase I," National Institute of Child Health and Human Development, NIH, Small Business Innovation Research Program (1R43HD24028-01A1). [\$50,000]
- 1989-1991: "Investigating Developmental Risk Factors in Preschoolers--Phase II," National Institute of Child Health, Small Business Innovation Research Program (1R44HD022670-03). [\$500,000]
- 1989: "Investigating Motor Behavior in Infants and Toddlers: A Collaboration," American Occupational Therapy Foundation. [\$5,000]
- 1987-1988: "Development of an Item Pool to Identify Developmental Disabilities in Infants and Toddlers," American Occupational Therapy Foundation. [\$9,200]
- 1987-1988: "Supplementary Development of an Item Pool to Identify Developmental Disabilities in Infants and Toddlers," American Occupational Therapy Foundation. [\$4,100]
- 1987: "Item Development and Pilot Testing of the FirstSTEP," National Institute Child Health and Human Development, NIH, Small Business Innovation Research Program. [\$42,500]
- 1984-1985: "The Miller Assessment for Preschoolers: A Longitudinal and Predictive Study," Department of Education, Office of Special Education and Rehabilitative Services Handicapped Research and Demonstration. [\$135,000]
- 1984-1985: "Supplement to the Miller Assessment for Preschoolers: A Longitudinal and Predictive Study," American Occupational Therapy Foundation. [\$5,500]
- 1983: "Predictive Validity of the Miller Assessment for Preschoolers: A Preliminary Tracking Study," American Occupational Therapy Foundation. [\$8,000]
- 1983: "Publication of Articles Related to Research Obtained During Standardization of the Miller Assessment for Preschoolers," American Occupational Therapy Foundation. [\$5,000]

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- 1979-1980: "Standardization of the Miller Assessment for Preschoolers," Department of Health and Human Services, Maternal and Child Health Division. [\$125,000]
- 1979: "Item Specific Research Projects for the Miller Assessment for Preschoolers," American Occupational Therapy Foundation. [\$5,000]
- 1977: "Pilot Research on the Miller Assessment for Preschoolers," Dudley Allen Sargent Research Foundation, Boston University. [\$500]

XIII. MAJOR SCIENTIFIC INTERESTS

- A. Sensory Processing Disorder. Research questions include:
- 1) Is Sensory Processing Disorder a valid syndrome or syndromes?
 - 2) What types, duration and frequency of treatment(s) is effective in remediating symptoms of Sensory Processing Disorder?
 - 3) What underlying neurological, physiological and biochemical mechanisms are disordered in Sensory Processing Disorder?
 - 4) What are the etiologies and prevalence of Sensory Processing Disorder?
- B. Development of Nationally Standardized, Reliable and Valid Screening and Assessments Tests for Children (currently eight scales nationally normed, published and in wide spread usage):
- 1) **Miller, L. J.** (2006). The Miller Function and Participation Scale. San Antonio, TX: The Psychological Corporation.
 - 2) **Miller, L.J.** (2004). Primer Paso. San Antonio, TX: The Psychological Corporation.
 - 3) **McIntosh, D. N., Miller, L. J., & Shyu, V.** (1999). The Short Sensory Profile (SSP). In W. Dunn (Ed.), *The sensory profile: Examiner's manual* (pp. 59-83). San Antonio, TX: The Psychological Corporation.
 - 4) **Roid, G. H., & Miller, L. J.** (1999). Stoelting Brief Nonverbal Intelligence Test. Wood Dale, IL: Stoelting Co.
 - 5) **Roid, G. H., & Miller, L. J.** (1997). Leiter International Performance Scale - Revised. Wood Dale, IL: Stoelting Co.
 - 6) **Miller, L. J., & Roid, G.H.** (1994). Toddler and Infant Motor Evaluation. San Antonio, TX: The Psychological Corporation.
 - 7) **Miller, L. J.** (1993). FirstSTEP (Screening Test for Evaluating Preschoolers): Manual. San Antonio, TX: The Psychological Corporation.
 - 8) **Miller, L. J.** (1988, 1982). Miller Assessment for Preschoolers. San Antonio, TX: The Psychological Corporation.
 - 9) **Miller, L. J.** (1989). Japanese Miller Assessment for Preschoolers: Manual. Tokyo, Japan: Harcourt Brace Jovanovich Japan, Inc.
- C. Integrating Parent-Centered Care Principles and Therapeutic Interventions in Natural Settings into Pediatric Practice.

XIV. PROFESSIONAL BIBLIOGRAPHY

A. Articles Published in Refereed Journals

- Miller, L.J., Nielsen, D.M., Schoen, S.A., and Brett-Green, B.A.** (2009) Perspectives on sensory processing disorder: a call for translational research. *Front. Integr. Neurosci.* 3:22. doi:10.3389/neuro.07.022.2009
- Schoen, S.A., Miller, L.J., Green, K.** (2008). Pilot Study of the Sensory Over-Responsivity Scales: Assessment and Inventory. *The American Journal of Occupational Therapy*, 62 (7-8), 393-406.
- Miller, L.J.** Finding Sensory Integration That Fits Your Child. (2008). *SI Focus*. Autumn (10-11, 19)

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- Simmons, K., **Miller**, L.J. (2008). Sensational Stars with Autism. *Exceptional Parent Magazine*, April, 14-20.
- Brett-Green, B. A., **Miller**, L. J., Gavin, W. J., Davies, P. I. (2008) Multisensory Integration in Children: A Preliminary ERP study, *Brain Research*. 1242, 283-290.
- Gabriels, R.L., Agnew, J.A., **Miller**, L.J., Gralla, J., Pan, Z., Goldson, E., Ledbetter, J.C., Dinkins, J.P., Hooks, E. (2008) Is there a relationship between restricted, repetitive, stereotyped behaviors and interests and abnormal sensory response in children with autism spectrum disorders, *Research in Autism Spectrum Disorders*. 2(4) 660-670.
- Schoen, S. A., **Miller**, L. J. Brett-Green, B., and Hepburn, S. L. (2008). Psychophysiology of Children with Autism Spectrum Disorder. *Research in Autism Spectrum Disorders*, 64 (2-3), 417-429.
- Mailloux, Z., May-Benson, T. A., Summer, C. A., **Miller**, L. J., Brett-Green, B., Burke, J. P., Cohn, E. S., Koomar, J. A., Parham, L. D., Smith Roley, S., Schaaf, R. C., Schoen, S. A. (2007). Goal attainment scaling as a measure of meaningful outcomes for children with sensory integration disorders. *The American Journal of Occupational Therapy*, 61 (2), 254-259.
- Miller**, L. J., Coll, J. R., Schoen, S. A. (2007). A randomized controlled pilot study of the effectiveness of occupational therapy for children with sensory processing disorder. *The American Journal of Occupational Therapy*, 61 (2), 228-238.
- Parham, L. D., Cohn, E. S., Spitzer, S., Koomar, J. A., **Miller**, L. J., Burke, J. P., Brett-Green, B., Mailloux, Z., May-Benson, T. A., Smith Roley, S., Schaaf, R. C., Schoen, S. A., Summers, C. A. (2007). Fidelity in sensory integration intervention research. *The American Journal of Occupational Therapy*, 61 (2), 216-227.
- Bundy, A. C., Shia, S., Qi, L., **Miller**, L. J. (2007). How does sensory processing dysfunction affect play? *The American Journal of Occupational Therapy*, 61 (2), 201-208.
- Miller**, L. J., Schoen, S. A., James, K., & Schaaf, R. C. (2007). Lessons learned: A pilot study on occupational therapy effectiveness for children with sensory modulation disorder. *The American Journal of Occupational Therapy*, 61 (2), 161-169.
- Miller**, L. J., Anzalone, M. E., Lane, S. J., Cermak, S.A., & Osten, E.T. (2007). Concept evolution in sensory integration: A proposed nosology for diagnosis. *The American Journal of Occupational Therapy*, 61 (2), 135-140.
- Schaaf, R. C., & **Miller**, L. M. (2005). Occupational therapy using a sensory integrative approach for children with developmental disabilities. *Mental Retardation and Developmental Disabilities Research Reviews*, 11(2), 143-148.
- Ahn, R., **Miller**, L. J., Milberger, S., & McIntosh, D. N. (2004). Prevalence of parents' perceptions of sensory processing disorders among kindergarten children. *American Journal of Occupational Therapy*, 58(3), 287-302.
- Schaaf, R. C., **Miller**, L. J., Sewell, D., & O'Keefe, S. (2003). Children with disturbances in sensory processing: A pilot study examining the role of the parasympathetic nervous system. *American Journal of Occupational Therapy*, 57(4), 442-449.
- Parush, S., Winikur, M., Goldstand, S., & **Miller**, L. J. (2002). Prediction of school performance using the Miller Assessment for Preschoolers (MAP): A validity study. *American Journal of Occupational Therapy*, 56, 547-555.
- Parush, S., Winikur, M., Goldstand, S., & **Miller**, L. J. (2002). Long term predictive validity of the Miller Assessment for Preschoolers: *Perceptual and Motor Skills*, 94, 921-926.
- Hagerman, R. J., **Miller**, L. J., McGrath-Clarke, J., Riley, K., Goldson, E., Harris, S. W., Simon, J., Church, K., Bonnell, J., Ognibene, T.C., & McIntosh, D.N. (2002). Influence of stimulants on electrodermal studies in fragile X syndrome. *Microscopy Research and Technique*, 57, 168-173.

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- Mangeot, S. D., **Miller**, L.J., McIntosh, D. N., McGrath-Clarke, J., Simon, J., Hagerman, R.J., & Goldson, E. (2001). Sensory modulation dysfunction in children with attention deficit hyperactivity disorder. *Developmental Medicine and Child Neurology*, 43, 399-406.
- Cohn, E., **Miller**, L. J., & Tickle-Degnen, L. (2000). Parental hopes for therapy outcomes: Children with sensory modulation disorders. *American Journal of Occupational Therapy*, 54(1), 36-43.
- McIntosh, D.N., Miller, L.J., Shyu, V. & Dunn, W. (1999). Overview of the Short Sensory Profile (SSP). In W. Dunn *The Sensory Profile: Examiners Manual*. (pp 59-73) San Antonio, TX: The Psychological Corporation.
- McIntosh, D. N., **Miller**, L. J., Shyu, V., & Hagerman, R. (1999). Sensory-modulation disruption, electrodermal responses, and functional behaviors. *Developmental Medicine and Child Neurology*, 41, 608-615.
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XV. PRESENTATIONS AT STATE, NATIONAL AND INTERNATIONAL CONFERENCES

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- Miller, L.J.**, (October 9-10, 2009). Building Bridges Toward Knowledge: Current Research and DSM Advocacy. Presented at SPD Advanced Research and Innovation Practice Symposium in Chicago, IL.
- Miller, L.J.**, (October 8, 2009). Evaluations for Children Birth to 19: The Why, When, and Which. Presented at SPD Advanced Research and Innovation Practice Pre-Conference Institute in Chicago, IL.
- Miller, L.J.**, (March 30-31, 2009). SPD: Subtypes and Intervention in Schools. Presented at Clinton County RESA conference in St. Johns, MI
- Miller, L.J.**, (March 12-14, 2009). Progress on Diagnostic Recognition of SPD. Presented at Making Sense: ASD and Sensory Processing Symposium in Denver, CO.
- Miller, L.J.** (March 2, 2009). SPD: Sensory Over-responsivity. Presented at Sensation to Emotion Conference in New York, NY
- Miller, L.J.** (February 4, 2009). SPD: Myth or Reality? Florida Southern College SPD Lecture. Presented in

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Lakeland, FL

Miller, L.J. (November 6-8, 2008). Sensory Processing Disorder: Advanced Research and Innovative Practice Achieving Diagnostic Recognition for SPD: A Journey Toward the DSM-V. Presented In Boston, MA

Miller, L.J. (October 6-7, 2008). What is Sensor Processing Disorder? Presented at Overland Park, KS

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Miller, L.J. (May 17, 2008). Presented at IMFAR, London, England

Miller, L.J. (April 30, 2008). Presented at the Sensory Resources Conference, Sioux Falls, SD

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Miller, L.J. (April 12, 2008). Presented at AOTA, San Diego, CA

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Miller, L.J. (June 6, 2007). Sensory Processing Disorder. Presented at Mac Intosh Academy, Denver, CO.

Miller, L.J. (April 13-14, 2007). Sensory Processing Disorder Classroom and Home Treatments. Presented at the 4th Annual KID Foundation Conference, Greenwood Village, CO.

Miller, L.J. (March 23-24, 2007). Understanding Sensory Processing Disorder and Recent Research in Autistic Spectrum Disorders Presented at the Current Trends in Autism Conference, Boston, MA.

Miller, L.J. (February 24, 2007). Sensory Processing Disorder. Presented at the Lifeskills Sensory Integration Conference, Orlando, FL.

Miller, L.J. (December 11-12, 2006). Assessment can be Fun. Presented at the Sensory Resources Conference, Bedford,

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NH.

- Miller, L.J.** (October 2006). Sensory Processing Disorder: Myths and Magic vs. Empirical Science. Presented at the Geneva Centre for Autism Symposium, Toronto, Canada.
- Miller, L.J.** (October 2006). Sensory Processing Disorder : An Overview. Presented at the Logon School for Creative Development, Denver, CO.
- Miller, L.J.** (September 2006). Sensory Processing Disorder : Current Research and Applications for Gifted and Talented Children. Presented at the Colorado Association for the Gifted and Talented Conference, Greenwood Village, CO.
- Miller, L.J.** (September 2006). Sensory Processing Disorder: Myth or Reality? Presented at the American Academy of Cerebral Palsy and Developmental Medicine, Boston, MA.
- Miller, L.J.** (August 2006). Thinking Outside the Box: Leading OT outside the borders. Presented at the New York State Occupational Therapy Association Conference at the United Nations, New York, NY.
- Miller, L.J.** (August 2006). Sensory Processing Disorder: Theory, assessment, treatment and research. Presented at the Sensory Processing Disorder conference in Kuopio, Finland.
- Miller, L.J.** (June 2006). State of the science: sensory processing disorder updates in research and practice. Presented at the Sensory Processing Disorders in Adolescents and Adults Conference, Thomas Jefferson University, Philadelphia, PA.
- Miller, L.J.** (June 2006). Sensory processing disorder: Current research and applications in the classroom. Presented at the Brain Basics Conference, Denver, CO.
- Miller, L. J.** (May 2006). Sensory processing disorder and sensory integration: What are they and why do they matter? Presented at the Young Child With Special Needs Conference, Denver, CO.
- Schoen, S. A., **Miller, L. J.** & Green, K. (May 2006). Development of the sensory over-responsivity scales. Poster presentation at the Fourteenth Biennial Retreat of the Developmental Psychobiology Research Group, Estes Park, CO.
- Brett-Green, B. A., Reale, M. L. & **Miller, L. J.** (May 2006). Multi-sensory evoked potentials in adults and children. Poster presentation at the Fourteenth Biennial Retreat of the Developmental Psychobiology Research Group, Estes Park, CO.
- Miller, L. J.** (May 2006). Sensory processing disorder: A journey for recognition. Presented at Colorado State University Fifth Annual Occupational Therapy Research Symposium, Fort Collins, CO.
- Miller, L. J.** (April 2006). Sensory processing disorder: Its time has come. Presented at the American Occupational Therapy Association 86th Annual Conference and Exposition, Charlotte, NC.
- Miller, L. J., Piernik-Yoder, B., Castilleja, N. F.** (April 2006). Are we having FUN now? A new activity based approach to assessing motor and participation skills. Presented at the American Occupational Therapy Association 86th Annual Conference and Exposition, Charlotte, NC.
- Miller, L. J.** (March 2006). ADHD vs. sensory processing disorder: Similarities and differences. Presented at the KID Foundation Annual Conference, Denver, CO.
- Miller, L. J.** (May 2005). Participation and context: Issues and questions. Presented at the American Occupational Therapy Association 85th Annual Conference and Exposition, Long Beach, CA.

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- Miller, L. J., & Greenspan, S.** (May 2005). Regulatory Sensory Processing Disorders: Classic patterns and subtypes. Presented at the ICDL Conference, Bethesda, MD.
- Miller, L. J.** (March 2005). SPD classic patterns and subtypes. Presented at the two-day Spiral Foundation Sensational Kids: Clinical Assessment and Intervention Strategies for Children with Sensory Processing Disorders Conference, Newton, MA.
- Miller, L. J.** (March 2005). Empirical validation of SPD: Recent and ongoing research. Presented at the two-day Spiral Foundation Sensational Kids: Clinical Assessment and Intervention Strategies for Children with Sensory Processing Disorders Conference, Newton, MA.
- Miller, L. J.** (March 2005). The art of clinical reasoning: Diagnostic assessment and treatment planning. Presented at the two-day Spiral Foundation Sensational Kids: Clinical Assessment and Intervention Strategies for Children with Sensory Processing Disorders Conference, Newton, MA.
- Miller, L. J.** (April 2005). New ICDL diagnostic classification system for regulatory-Sensory Processing Disorder. Presented at the Infancy & Early Childhood Training Course, Tyson's Corner, VA.
- Miller, L. J.** Current research related to Sensory Processing Disorders (SPD): Talking to your physician about SPD and taking the mystery out of occupational therapy – the art of clinical reasoning. One-day workshops presented for Sensory Resources:
February 2005: Richmond, VA
February 2005: Baltimore, MD
- Miller, L. J.** Taking the mystery out of Occupational Therapy: The art of clinical reasoning. One-day workshops presented for Sensory Resources:
November 2004: Manchester, NH
November 2004: Rochester, NY
- Brett-Green, B., Schoen, S. A., Coll, J., Schaaf, R., Reale, M. L., Hepburn, S., & **Miller, L. J.** (October 2004). Psychophysiological variability in children with Asperger Syndrome. Poster presentation at the 44th Annual Meeting for the Society for Psychophysiological Research, Santa Fe, NM.
- Brett-Green, B., Schoen, S. A., Coll, J., Reale, M. L., & **Miller, L. J.** (October 2004). Children with Autistic Spectrum Disorders: Autonomic and behavioral patterns. Poster presentation at the Fifth Annual Coleman Institute Conference, Denver, CO.
- Miller, L. J.** (October 2004). Differentiating subtypes of Sensory Processing Disorder: Assessment and treatment. Presented at the Dynamic Listening Systems Third Annual Conference, Denver, CO.
- Schoen, S. A. & **Miller, L. J.** (October 2004). Development of the sensory over-responsivity assessment and inventory. Presented at the Occupational Therapy Association of Colorado Annual Conference, Denver, CO.
- Rojas, S. & **Miller, L. J.** (October 2004). Pediatric assessment: Fun and functional. Presented at the Occupational Therapy Association of Colorado Annual Conference, Denver, CO.
- Miller, L. J.** (July 2004). Sensational children: Understanding Sensory Processing Disorders. Presented at the Gifted Development Center 25th Anniversary Celebration, Denver, CO.
- Miller, L. J.** (May 2004). Planning and implementing effective treatment using Ayres' sensory integration approach. Presented at the American Occupational Therapy Association 84th Annual Conference and Exposition, Minneapolis, MN.
- Miller, L. J.** (May 2004). Making assessment FUN and functional. Presented at the American Occupational Therapy Association 84th Annual Conference and Exposition, Minneapolis, MN.

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- Miller, L. J.** (May 2004). Overview of research at KID Foundation; University of Colorado Health Sciences Center, Depts. of Rehabilitation Medicine and Pediatrics; and The Children's Hospital of Denver, Sensory Processing Treatment And Research (STAR) Center. Presented at the American Occupational Therapy Association 84th Annual Conference and Exposition, Minneapolis, MN.
- Miller, L. J.** (April-May 2004). Sensory processing disorders: Patterns of dysfunction and functional behaviors. Two-day workshop, "Sensational kids: Clinical assessment and intervention strategies for children with sensory processing disorders," co-sponsored by KidAbilities and the New York State Occupational Therapy Association, NY.
- Miller, L. J.** (April-May 2004). Empirical validation of sensory disorders: Recent and ongoing research. Two-day workshop, "Sensational kids: Clinical assessment and intervention strategies for children with sensory processing disorders," co-sponsored by KidAbilities and the New York State Occupational Therapy Association, NY.
- Miller, L. J.** (April-May 2004). Beyond the clinic: The nuts and bolts of explaining SI/SPD to educators, physicians, reimbursement sources. Two-day workshop, "Sensational kids: Clinical assessment and intervention strategies for children with sensory processing disorders," co-sponsored by KidAbilities and the New York State Occupational Therapy Association, NY.
- Miller, L. J.** (April-May 2004). The art of clinical reasoning: Ongoing diagnostic assessment and intervention planning. Two-day workshop, "Sensational kids: Clinical assessment and intervention strategies for children with sensory processing disorders," co-sponsored by KidAbilities and the New York State Occupational Therapy Association, NY.
- Miller, L. J.** (April-May 2004). A vision for the future. Two-day workshop, "Sensational kids: Clinical assessment and intervention strategies for children with sensory processing disorders," co-sponsored by KidAbilities and the New York State Occupational Therapy Association, NY.
- Brett-Green, B., Schoen, S.A., Coll, J., Reale, M., Eno, E., Hepburn, S., & **Miller, L.J.** (May 2004). Psychophysiologic and behavioral patterns in children with Asperger Syndrome. Poster presentation at the University of Colorado Health Sciences Center Developmental Psychobiology Research Group 13th Biennial Retreat, "Regularities and irregularities in regulation," Estes Park, CO.
- Miller, L. J.** Current research related to Sensory Processing Disorders (SPD): Talking to your physician about SPD and taking the mystery out of occupational therapy – the art of clinical reasoning. One-day workshops presented for Sensory Resources:
March 2004: Boise, ID
March 2004: San Jose, CA
April 2004: Pittsburg, PA
April 2004: Green Bay, WI
- Miller, L. J., & Brett-Green, B.** (February 2004). Neuroplasticity and occupational therapy: Evidence from two pilot outcome studies. Presented at the Pediatric Therapy Network R2K: Research 2004 Symposium, Long Beach, CA.
- Miller, L. J.** (February 2004). Sensory processing disorders: An emerging science. Presented at the Neurobiology of Sensory Processing Disorders Conference, Boulder, CO.
- Miller, L. J., & Schoen, S.** (February 2004). A scale to identify sensory over-responsivity in children and adults. Presented at the Neurobiology of Sensory Processing Disorders Conference, Boulder, CO.
- Schaaf, R. C., **Miller, L. J.**, Lafferty, K., Miller, H., Rarig, M., & Schwenk, H. (June 2003). Parasympathetic activity and functional activity in children with hypo and hyper-responsiveness to sensation. Poster presentation at the American Occupational Therapy Association Annual Conference, Washington, DC.
- Amthauer, H., **Miller, L. J.**, Brett-Green, B., Coll, J., & Schoen, S. (October 2003). Sensory processing disorder in fragile X syndrome and autistic spectrum disorders. Poster presentation at the Coleman Institute for Cognitive Disabilities Annual Conference, Boulder, CO.

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Davies, P., **Miller**, L. J., & Schoen, S. (October 2003). Sensory processing dysfunction: Research and treatment implications. Presented at the Occupational Therapy Association of Colorado Annual Conference Roundtable Discussion, Northglenn, CO.

Miller, L. J. What to tell your physician about sensory integration dysfunction and taking the mystery out of occupational therapy – what happens during intervention? One-day workshops presented for Sensory Resources:
March 2003: Seattle, WA
March 2003: Portland, OR
May 2003: Minneapolis, MN
May 2003: San Diego, CA
November 2003: Colorado Springs, CO
December 2003: New Orleans, LA and Atlanta, GA

Miller, L. J. (October 2002). Overview of current published data related to sensory processing impairment. Three day Sensory Research Planning Retreat, Evergreen, CO.

Miller, L. J. (October 2002). Evidence Based Practice and Occupational Therapy. Keynote address. Occupational Therapy Association of Colorado Annual Conference, Denver, CO.

Miller, L. J. (September 2002). Physiologic and behavioral correlates of sensory registration in children. Presented at the Sensory Integration Attachment, Autism, and Praxis Two-Day Conference, Madison, WI.

Miller, L. J., Hagerman, R., & McIntosh, D. N. (September 2002). Efficacy of stimulant medication in individuals with fragile X syndrome. Poster presentation at the Coleman Institute for Cognitive Disabilities Annual Conference, Boulder, CO.

Miller, L. J. (June 2002). Physiologic markers and behavioral features of sensory modulation dysfunction. Presented at the Spiral Foundation's First Biennial Research Conference at OTA Watertown, "The psychobiology of sensory processing in early development," Boston, MA.

Miller, L. J. (June 2002). Developing a nosology of sensory processing disorders. Presented at the Spiral Foundation's First Biennial Research Conference at OTA Watertown, "The psychobiology of sensory processing in early development," Boston, MA.

Miller, L. J., Lane, A. E., & James, K. (May 2002). Defining the behavioral phenotype of sensory processing dysfunction. Poster presentation at the University of Colorado Health Sciences Center Developmental Psychobiology Research Group 12th Biennial Retreat, "Behavioral phenotypes in developmental disabilities," Estes Park, CO.

Schaaf, R. C., **Miller**, L.J., Martello, T., McKeon, K., Rizzuto, A., & Zapletal, A. (May 2002). Parasympathetic function and occupational performance in children with sensory modulation dysfunction. Poster presented at the American Occupational Therapy Association 82nd Annual Conference and Exposition, Miami Beach, FL.

Miller, L. J. Children with Sensory Integration Dysfunction (DSI): Intervention at home and school. Two-day workshops presented for Therapeutic Service Systems:
March 2002: Houston, TX
April 2002: Philadelphia, PA
June 2002: Chicago, IL
June 2002: Rye Brook, NY
August 2002: Dallas, TX
September 2002: Cleveland, OH
October 2002: Boston, MA
November 2002: Detroit, MI

Miller, L. J. (February 2002). An update on research on children with sensory processing dysfunction. Presented at the Denver University Clinical Psychology Luncheon Meeting, Denver, CO.

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- Miller**, L. J. (January 2002). A randomized clinical trial of occupational therapy with children who have sensory modulation dysfunction: Preliminary findings. Presented at the Methods and Applications in Health Outcomes Research Seminar, Colorado Health Outcomes Program (COHO)/University of Colorado Health Sciences Center and the Clinical Research Unit/ Kaiser Permanente of Colorado, Denver, CO.
- Miller**, L. J. (December 2001). Quantitative measurement of sensory dysfunction in children with developmental disabilities. Poster presented at the National Center for Medical Rehabilitation Research, National Institute of Child Health and Human Development Training Workshop, Bethesda, MD.
- Miller**, L. J. (October 2001). Sensory Integration Dysfunction in individuals with cognitive disabilities. Presented at the Coleman Institute Workshop, Aspen, CO.
- Meyer, L. J., **Miller**, L. J., McIntosh, D. N., Rogers, S., & Hagerman, R. J. (October 2001). Quantitative measurement of sensory dysfunction in children with cognitive disabilities. Poster presented at the Coleman Institute Workshop, Aspen, CO.
- Tourigny, J. M., & **Miller**, L. J. (October 2001). An innovative approach to fair evaluations for people with cognitive disabilities. Poster presented at the Coleman Institute Workshop, Aspen, CO.
- Miller**, L. J. (June 2001). Early identification, treatment, and current research related to sensory modulation dysfunction. Presented at The Children's Hospital 17th Annual Community and School Health Pediatric Conference, Denver, CO.
- Miller**, L. J. (April 2001). Preliminary evidence: Randomized clinical trial of occupational therapy with children who have sensory modulation dysfunction. Presented at the American Occupational Therapy Association 81st Annual Conference and Exposition, Philadelphia, PA.
- Schaaf, R. C., & **Miller**, L. J. (April 2001). Parasympathetic regulation in children with sensory modulation dysfunction. Poster presented at the American Occupational Therapy Association 81st Annual Conference and Exposition, Philadelphia, PA.
- Schaaf, R. C., **Miller**, L. J., Martello, T., Faulkner, J., Girardi, K., Houtras, A., & Rushanan, S. (April 2001). Changes in play behavior during sensory integration intervention. Poster presented at the American Occupational Therapy Association 81st Annual Conference and Exposition, Philadelphia, PA.
- Miller**, L. J., & Laudenslager, M. (February 2001). Biological and psychological factors in children with sensory modulation dysfunction. Presented at the Pediatric Therapy Network R2K: Research 2001 Symposium, San Padro, CA.
- Miller**, L. J. (January 2001). Sensory Integration Research and Clinical Evaluation. Workshop presented to Lutheran Medical Center, Grand rounds for Pediatricians and Family Practice Doctors, Denver, CO.
- Schaaf, R. C., **Miller**, L. J., McIntosh, D. N., & McGrath-Clarke, J. (May 2000). Preliminary study of parasympathetic functioning in children with Sensory Modulation Dysfunction. Poster presentation at the University of Colorado Health Sciences Center Developmental Psychobiology Research Group 11th Biennial Retreat, "Recent research in developmental psychobiology and implications for intervention," Estes Park, CO.
- Miller**, L. J. (April 2000). A randomized clinical treatment trial for children with Sensory Modulation Dysfunction. Presented at the University of Colorado Health Sciences Center Developmental Psychology Research Group, Denver, CO.
- Spiser-Albert, V., Wilkins, C., Lamey, G., & **Miller**, L. J. (March 2000). Hands-on test development: From idea to publication. One-day Institute presented at the American Occupational Therapy Association 80th Annual Conference and Exposition, Seattle, WA.

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- Dawson, G., & **Miller**, L. J. (March 2000). The neuropsychology of autism and implications for occupational therapy practice. Workshop presented at the American Occupational Therapy Association 80th Annual Conference and Exposition, Seattle, WA.
- Miller**, L. J. (January 2000). Sensory Modulation and Praxis in Autistic Disorders. Pediatric Therapy Network Annual Conference R2K: Research 2000 Symposium, Torrance, CA.
- Miller**, L. J. (October 1999). Summary of research in Sensory Modulation Dysfunction for Project ENRICH, University of Colorado Health Sciences Center, Denver, CO.
- Miller**, L. J. (September 1999). Developmental evaluation training and sensory integration (four hours Videoconference). Colorado Department of Public Health and Environment, Developmental Evaluations Clinics Teleconference, Denver, CO.
- Hagerman, R. J., **Miller**, L. J., McGrath-Clarke, J., Riley, K., Goldson, E., Harris, S. W., Simon, J., Church, K., Bonnell, J., & McIntosh, D. (1999). The influence of stimulants on electrodermal studies in fragile X syndrome. Poster presented at the 9th International Workshop for Fragile X Syndrome and X Linked Mental Retardation, Strasbourg, France.
- McIntosh, D. N., **Miller**, L. J., & Ognibene, T. C. (1999). Abnormal electrodermal responses to sensation and social-emotional functioning (short paper). In J.T. Cacioppo (chair), Sensation, Cognition, and Emotion in the Social Brain. Symposium conducted at the meeting of the American Psychological Society, Denver, CO.
- Miller**, L. J. (June 1999). Therapeutic enhancement of independence and active participation for young children (one day Institute). 1999 Statewide Early Intervention Conference, Hershey, PA.
- Miller**, L. J. (1999). Evaluating meaningful outcomes in occupational therapy using qualitative measures. Workshop presented at the American Occupational Therapy Associations 79th Annual Conference and Exposition, Indianapolis, IN.
- Miller**, L. J. (April 1999). ENRICHing occupational therapy with natural resources in the community and home. Workshop presented at the American Occupational Therapy Associations 79th Annual Conference and Exposition, Indianapolis, IN.
- Miller**, L. J. (April 1999). Sensory modulation: Syndrome validation and possible mechanisms. Presented at Neuroscience Research Group, University of Denver, Denver, CO.
- Miller**, L. J. (March 1999). Disruptions in sensory modulation: Syndrome validation and clinical reasoning in treatment (three day Institute) Spiser-Albert, V., Wilkins, C., Lamey, G., &. Visiting Scholar at the University of Puerto Rico Medical School.
- Miller**, L. J. (1998). Sensory modulation disorder: Is it a valid syndrome? Presented at the University of Colorado Health Sciences Center Developmental Psychology Research Group, Denver, CO.
- Miller**, L. J. (1998). Primer Paso: A big step in bilingual screening. Presented at American Speech-Language-Hearing Association, Annual Conference, San Antonio, TX.
- Miller**, L. J. (October 1998). Sensory modulation disorders: Syndrome validation and treatment outcomes. Occupational Therapy Associates (two day Institute), Annual Conference, Waltham, MA.
- Miller**, L. J. (1998). Sensory modulation disruption, electrodermal responses, and functional behaviors. Poster presented at the Developmental Psychobiology Research Group Tenth Biennial Retreat/Poster Session, Estes Park, CO.
- McIntosh, D. N., & **Miller**, L. J. (1998). Measurement of sensory reactivity with electrodermal responses in two clinical groups. Poster presented at the University of Colorado Health Sciences Center, Dept. of Pediatrics, Annual Pediatrics Poster Session, Denver, CO.

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- Miller, L. J., McIntosh, D. N., & Hagerman, R.** (March 1998). Electrodermal responses to sensory stimuli in individuals with fragile X syndrome. Presented at the 31st Annual Gatlinburg Conference, Charleston, SC.
- Miller, L. J., & McIntosh, D. N.** (1998). Sensory modulation disorders: A new paradigm for psychophysiological measurement of sensory reactivity. Poster presented at the American Occupational Therapy Associations 1998 Annual Conference and Exposition, Baltimore, MD.
- Miller, L. J., & McIntosh, D. N.** (April 1998). Sensory modulation disorders: Myth, magic or meaning? One day institute at the American Occupational Therapy Associations 1998 Annual Conference and Exposition, Baltimore, MD.
- Miller, L. J.** (1997). FirstSTEP: A preschool screening instrument (one day). Colloquy in Early Childhood Assessment: Models and Practices, Colorado Department of Education, Denver, CO.
- Miller, L. J.** (November 1997). Research in occupational and physical therapy. Continuing Education (in service), The Children's Hospital, Rehabilitation Department, Denver, CO.
- Miller, L. J.** (1997). The etiology, diagnosis and treatment of sensory modulation disorders (in service). Boulder Valley Education Center, Boulder, CO.
- Miller, L. J.** (1997). Historical perspectives on assessment in psychology and occupational therapy. Keynote address. The Psychological Corporation; Measurement Symposium, San Antonio, TX.
- Miller, L. J.** (1997). Relationships: The cornerstone of assessment. Closing address. The Psychological Corporation; Measurement Symposium, San Antonio, TX.
- Miller, L. J.** (December 1996). On beyond parent report: Engaging parents in the process of assessment (Part Three). Workshop presented at the Zero to Three 11th National Training Institute, Washington, DC.
- Miller, L. J.** (1996). To test or not to test, That is the question: A profile of four nationally standardized Scales for Children. Two Day Seminar, Tucson, AZ.
- Miller, L. J.** (1996). "The role of parents in the process of assessment;" "Four new assessments which help us understand children;" "Outcome research: When, why and if;" "intervention in naturalistic contexts" (two day Institute). Related Services Institute Council of Administrators of Special Education, Inc. Annual Conference, Clearwater Beach, FL.
- Miller, L. J.** (1996). Development of growth-scale scoring for assessing children with disabilities. One day institute at the American Psychological Association Annual Conference, Toronto, Canada.
- Miller, L. J.** (October 1995). Ability vs. eligibility: Assessing and treating young children in natural contexts. Keynote address at the Colorado Speech-Language-Hearing Association Annual Convention, Denver, CO.
- Miller, L. J.** (April 1995). Assessment in occupational therapy: Where do we begin? Keynote speaker, American Occupational Therapy Association Annual Meeting; Student Forum, Denver, CO.
- Miller, L. J.** (September 1994). Assessment in early childhood: Myths and magic (one day Conference). Head Start Workshop, Colorado Springs, CO.
- Miller, L. J.** (September 1994). Toward a new vision for developmental assessment in early childhood: Where are we? Presented at the Colorado Speech-Language-Hearing Association Annual Meeting, Denver, CO.
- Miller, L. J.** (1993). Understanding test construction. Workshop presented at the Maternal and Child Health Annual Symposium, Boston, MA.
- Miller, L. J.** (1992-94). Advanced Interpretation of Miller Assessment for Preschoolers (two-day Institute). Naestvd, Denmark; London, England; Melbourne and Sydney, Australia; and Parsippany, NJ.

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- Miller, L. J.** (1992). Assessment of motor functioning in children ages birth to 42 months (one day institute). The 9th Annual Symposium of the Neuro-Developmental Therapy Association, Oak Brook, IL.
- Miller, L. J.** (1992). Standardization training workshops for the toddler and infant motor evaluation (two-day institute). Pingree Park, CO; St. Louis, MO; and Denton, TX.
- Miller, L. J.** (1992). Overview of the TIME. Paper presented at the Annual Neuro-Developmental Treatment Association Meeting, Denver, CO.
- Miller, L. J.** (1992). Early intervention: Treatment applications with a family-centered focus (one day Institute). Institute at American Occupational Therapy Association Annual Meeting, Houston, TX.
- Miller, L. J.** (1991). Screening and assessment in the 1990's (one day Institute). Institute at American Occupational Therapy Association Annual Meeting, Cincinnati, OH.
- Miller, L. J.** (1991). Applications of sequential research methodology. Presented at the American Occupational Therapy Foundation, Summit on Research, Chicago, IL.
- Miller, L. J.** (1991). Ingredients for successful systems change: Parents as partners in systems change. Workshop presented at the National Center for Clinical Infant Programs, Annual Meeting, Washington, D.C.
- Miller, L. J.** (1991). Innovative assessment methodologies for infants, toddlers, and preschoolers. Workshop presented at the National Center for Clinical Infant Programs, Annual Meeting, Washington, D.C.
- Miller, L. J.** (1991). Parent and teacher collaboration: An objective scale to evaluate preschool children's development. Presented at the National Association for Education of Young Children, Annual Meeting, Denver, CO.
- Miller, L. J.** (1990). Adaptive assessment in occupational therapy. Institute at American Occupational Therapy Association, Annual Meeting, New Orleans, LA.
- Miller, L. J.** (1989). Diagnostic motor assessment for infants and toddlers. Institute at American Occupational Therapy Association, Annual Meeting, Baltimore, MD.
- Miller, L. J.** (1988). The occupational therapist's role in treatment of preschool children with developmental disabilities. Presented at the American Occupational Therapy Association, Annual Meeting, Phoenix, AZ.
- Miller, L. J.** (1982-94). National lecture series. Assessment and treatment for preschoolers with developmental disabilities (in 61 cities in the United States and Canada).
- Miller, L. J.** (1980-96). Numerous local and state presentations to early childhood professionals on in-service and pre-service levels on issues related to parent-centered care, research design, psychometrics, assessment and screening, and a variety of other early childhood topics.

XVI. EDUCATION AND TRAINING ACTIVITIES

Intensive education and training activities include:

Over one hundred twenty 2 and 3 day Seminars in the U.S. and internationally on subjects related to assessment and intervention programs with young children.

Mentorship of over 100 students through JFK Partners at UCSHC. These students come from diverse professional backgrounds including: Occupational Therapy, Physical Therapy, Speech/Language Pathology, Special Education, Nursing, Nutrition and Psychology. These students include undergraduate, graduate, doctoral and post-doctoral level students.

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Training of Residents at UCSHC: ½ day per month 1 to 1 mentorship to explain occupational and physical therapy and when appropriate referrals might be indicated for physicians.

Advisor on 11 Doctoral Dissertations and 13 Master's Theses including:

- 2003 Committee Member, Doctoral Dissertation
Ahn, R. (2003) Examining Psychosocial Issues in Adults with Sensory Modulation Dysfunction Using a Mixed Methodology Design. University of Denver, Department of Counseling Psychology. CO.
- 2002 Committee Member, Doctoral Dissertation
Moulton, D. (2002). Short Sensory Profile for Teachers: A Pilot Study. University of Denver, Department of Education, Qualitative Research Methods Program. CO.
- 2002 Committee Member, Doctoral Dissertation
Ognibene, T. (2002). Sensory Modulation Dysfunction in Children with Attention Deficit Disorder: A Double Masked Study. University of Denver, Department of Psychology. CO.
- 2001 Chair, Doctoral Dissertation
Schaaf, R.C. (2001). Parasympathetic Nervous System Functions in Children with Sensory Modulation Dysfunction. Bryn Mawr College, Department of Neuroscience. PA.
- 2001 Chair, Master's Thesis
Meyer, L. (2001). Age and Gender Trends in Electrodermal Responses of Children with Sensory Modulation Dysfunction, Colorado State University. CO.
- 2001 Committee Member, Master's Thesis
Pyle, M. (2001). Symptom Predictability of an Attention Deficit Hyperactivity Disorder Diagnosis using the Leiter-Parent Rating Scale. The University of Colorado Health Sciences Center, Department of Epidemiology. CO.
- 1999 Committee Member and Primary Mentor, Doctoral Dissertation
Mangeot, S.D. (1999.) The Relation between Disruptions in Sensory Modulation and Attention Deficit Hyperactivity Disorder in Children. University of Denver, Professional Psychology Doctoral Program (Psy.D), CO.
- 1999 Committee Member, Doctoral Dissertation
Sanford, C.A. (1999). Increasing the Phonemic Awareness Skills of Children Beginning Kindergarten with Developmental Delays in Communication. Nova Southeastern University, NM.
- 1997 Committee Member and Primary Mentor, Master's Thesis
Whittaker, L. (1997). Discriminating Psychophysiological Responses between Children with and without Sensory Modulation Disorders, University of Colorado Health Sciences Center, Physicians Assistant Program, CO.
- 1995 Committee Member, Master's Thesis:
Budd, K.K. (1995) The Effect of Bilingualism on Developmental Screening Scores as Measured by the First Step and Primer Paso Pilot Editions. Colorado State University, Department of Occupational Therapy, CO.
- 1994 Committee Member, Master's Thesis
Egilson S.T. (1994). A Crosscultural Comparison of the Norms of Icelandic Children to the Norms of U.S. Children on the Miller Assessment for Preschoolers: A Pilot Study. San Jose State University, Department of Occupational Therapy, CA.
- 1994 Committee Member, Master's Thesis
Garner, T.B. (1994) The First Step: Gender Differences in Performance? Colorado State University, Department of Occupational Therapy, CO.
- 1993 Committee Member, Doctoral Dissertation
McNurlen, G.M. (1993). Resiliency of Single-Parent Families with Special Needs Children. Texas Women's University, TX.
- 1992 Committee Member, Master's Thesis
Roll, M.C. (1992). A Comparison of the Battelle Developmental Inventory Screening Test and the First Step. Colorado State University, Department of Occupational Therapy, CO.
- 1992 Committee Member, Master's Thesis
Neff, V.A. (1992). Parental Involvement in Assessment: A Comparison between a Child's Performance and Response to Parent and Occupational Therapist Administered Test Items. College of Allied Health Professions, Department of Occupational Therapy, Temple University, PA.
- 1990 Committee Member, Master's Thesis

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- Krampert, S.L. (1990). Speech and Language Test Items and Concepts for Use in a Proposed Language Screen, 0-3 Years, Temple University, PA.
- 1990 Committee Member, Master's Thesis
Xue, X.B. (1990). Pilot Testing of the Self Help component of the Miller Assessment for Preschoolers, Temple University, PA.
- 1990 Committee Member, Master's Thesis
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XVII. CLINICAL CARE ACTIVITIES

While at the University of CO Health Sciences Center, I was instrumental in the development and implementation of three innovative clinical programs since beginning with the University of Colorado Health Sciences Center in 1994. First, the Infant/Toddler Assessment Team at JFK Partners; second the federally funded demonstration project, Project ENRICH (Enrichment using Natural Resources In the Community and Home), and third the STAR Center (Sensory Processing Treatment And Research) at The Children's Hospital of Denver, CO.

I was appointed head of the Infant / Toddler Team at JFK Partners in 1994 by Dr. Cordelia Robinson, director of JFK Partners, and maintained that position until I developed a funded grant position in 1996. During my tenure we turned this center, which had been operating in the red, to one operating in the black. We served over 100 families during my time as head of the team. We focused on family-centered care components of treatment and added a full-time parent advocate to the team. We also forged numerous community connections with local IDEA councils (Individuals with Disabilities Education Acts), which have been maintained to this day.

Next, with Dr. Robinson, I co-authored Project ENRICH, a federally funded model demonstration project (Department of Education). When the project was funded, I moved to full-time Project Director bringing the vision of the project as written to an implemented reality (1996-1998). This project involved the collaboration of a team of occupational, physical, speech/language, nutrition, special education and nursing specialists. We developed a model to offer traditional therapy services to children with low-incidence severe/profound handicapping conditions within the context of natural settings. Integral to this work was establishing and maintaining a team of highly qualified professionals from diverse backgrounds who could collaborate smoothly and efficiently while ensuring family-directed service provision in natural settings. I remained with the team until I received full-time funding for the program of research that I currently direct.

At that time I transferred to a clinical position as occupational therapist on the team, while continuing to help the new Project Director take over in the director's position (1998-1999). Project ENRICH has continued to be funded through duplication (Phase II) and outreach (Phase III), and is currently in its ninth year of continuous funding at the University of Colorado Health Sciences Center. Approximately 100 families were served during my tenure as director of Project ENRICH and dozens of students representing multi-disciplinary backgrounds were trained in the transdisciplinary model of assessment and treatment in natural settings.

When full-time funding was received, I founded and directed the **STAR** (Sensory Processing Treatment And Research) Center at The Children's Hospital (TCH) of Denver, CO (1999-2005). This center provided the only full-time program

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of research in Sensory Processing Disorder in the United States. In this TCH Center, an ongoing program of research is combined with state-of-the-art clinical care for children with *sensory processing disorder* and accompanying co-morbid diagnoses. Over 600 children and families have partaken in intervention at the STAR Center. Our research includes investigating the effectiveness of occupational therapy with children who have this disorder and evaluations of the underlying neurophysiologic mechanisms of the disorder. I directly supervised the staff at the STAR Center's and developed a multi-disciplinary team to undertake clinical activities (pediatrician, neuropsychologist, speech/language pathologist, special educator and seven occupational therapists). In addition, I personally interviewed all families who participate in the treatment studies, and supervise the clinical occupational therapists from The Children's Hospital who provide treatment to the children on a twice weekly basis. I left this position September 30, 2005.

Currently, I direct the Sensory Processing Treatment and Research Center in Denver, CO where children birth – eighteen and adults receive a combination of Occupational Therapy and Listening Therapy. The center is a multidisciplinary multi-modal intervention practice with 18 personnel, providing family-centered, individualized treatment for people with sensory processing disorder, ADHD, and other developmental and behavioral disorders.

Specific professional positions, job titles, and roles/responsibilities are noted on pages 2-3 of curriculum vitae