

**ANNETTE MERCER ESTES**

**CURRICULUM VITAE**

March, 2016

University of Washington  
Box 357920  
Seattle, WA 98195  
Phone: (206) 543-1051  
E-mail address: estesa@u.washington.edu

**PERSONAL DATA**

*Place of Birth:* Bellevue, Washington

*Citizenship:* United States

*Date of Birth:* December 25, 1965

**EDUCATION**

- 1998, Ph.D. University of Washington, Seattle, WA, (Child Clinical Psychology)  
Title: Does positive parenting influence the development of conduct problems in children of adolescent mothers?
- 1994, M.S. University of Washington, Seattle, WA, (Child Clinical Psychology)
- 1988, B.A. The Evergreen State College, Olympia, WA

**POSTGRADUATE TRAINING**

- 1998 APA-approved clinical psychology internship,  
Primary Children's Hospital, Salt Lake City, UT

**FACULTY POSITIONS HELD**

- 2015-present Research Professor, Department of Speech and Hearing Sciences,  
University of Washington
- 2015-present Adjunct Research Professor, Department of Psychology,  
University of Washington
- 2011-2015 Research Associate Professor, Department of Speech and Hearing  
Sciences, University of Washington
- 2011-2015 Adjunct Research Associate Professor, Department of Psychology,  
University of Washington
- 2009-2011 Research Assistant Professor, Department of Speech and Hearing  
Sciences, University of Washington
- 2007-2011 Adjunct Research Assistant Professor, Department of Psychology,  
University of Washington
- 2005-2009 Research Assistant Professor, Department of Psychiatry and Behavioral  
Sciences, University of Washington

**UNIVERSITY ADMINISTRATIVE POSITIONS HELD**

- 2013-present Director, University of Washington Autism Center
- 2013-2015 Co-Director, Collaborative Research Area on Autism, Center on Human  
Development and Disability
- 2004-2008 Associate Director, University of Washington Autism Center

**CURRENT LICENSE**

- 2000-present State of Washington, Licensed Psychologist (PY00002421)

## **PROFESSIONAL ORGANIZATIONS and HONORS**

Susan & Richard Fade Endowed Chair  
President, Psychiatric Research Society, 2015  
American Psychological Association  
Autism Speaks Toddler Treatment Network  
International Society for Autism Research  
Young Investigator Travel Award, Psychiatric Research Society

## **TEACHING RESPONSIBILITIES**

### *Mentor: Postdoctoral Fellows*

2010 Erin Olson, Ph.D.  
2008-2010 Tanya St. John, Ph.D.  
2009 Cynthia Polance, Psy.D.  
2005-2006 Mandy Steiman, Ph.D.  
2004 Laura Malcy, Ph.D.

### *Doctoral Committee Chair*

Amy Rodda, Department of Speech and Hearing Sciences, University of Washington  
Shanna Alvarez, Department of Education, University of Washington  
Communication spontaneity in infants at high and low risk for autism spectrum disorders

### *Doctoral Committee Member*

Kathryn Greenslade, Department of Speech and Hearing Sciences, University of Washington  
Helping behaviors in children with autism spectrum disorders  
Erin Haven, Department of Psychology, Seattle Pacific University  
Parent mental state language: relations to theory of mind in children with autism spectrum disorders  
Lindsey Sterling, Department of Psychology, University of Washington  
Behavioral and physiological characteristics associated with anxiety in adolescents with autism spectrum disorder  
Lauren Elder, Department of Psychology, University of Washington,  
The relationship between parent training and parent-child interaction in autism

### *Doctoral Biology Exam Committee Member*

Matthew Bryan, Department of Biostatistics, University of Washington

### *Masters Thesis Advisor or Committee Member*

Kelleen Dunley, Department of Speech and Hearing Sciences, University of Washington  
The relationship between joint attention and communication in ASD  
Lindsay Williams, Department of Speech and Hearing Sciences, University of Washington  
Vocalization behavior during the Autism Observation Scale for Infants in sibs of children with autism spectrum disorders

### *Research Advisor*

Johnny Askew, Department of Speech and Hearing Sciences, University of Washington, Academic achievement in adolescents with ASD.

Genesis Han, University of Washington, School of Medicine, Patterns of psychotropic medication use in children with autism spectrum disorders

*Undergraduate Honors Advisor*

Elizabeth Idomskaya Department of Speech and Hearing Sciences, University of Washington, Peer relationships in school-age children with autism

Vanessa Zhou, Department of Psychology, University of Washington, Bilingualism and autism spectrum disorders

Kelleen Dunley, Department of Speech and Hearing Sciences, University of Washington, The relationship between joint attention and social communication in 12-month-old infants at high risk for autism spectrum disorders

Danielle Ung, Department of Psychology, University of Washington, An investigation of the effects of behavior problems in children with autism spectrum disorder on mothers' vs. fathers' stress levels

Kai Chi Yam, Department of Psychology, University of Washington, The relation between infant temperament and parenting-related stress

Samantha Johnson, Department of Psychology, University of Washington, Autistic Disorder: Parental distress and the quality of parent-child interactions

Lindsey Fisch, University of Michigan at Kalamazoo  
Intervention history of children with autism spectrum disorders.

*Invited Course Lectures, University of Washington*

2010 Department of Speech and Hearing Sciences: Autism spectrum disorders: Assessment, diagnosis, intervention; Research on neurobiology of autism

2003-present Department of Psychology, selected topics: Autism Spectrum Disorders; Career and Professional Development; Autism Research:

2000-2006 Department of Rehabilitation Medicine, Autism Spectrum Disorders

1992-1996 Department of Psychology, selected topics: Child Depression, Parenting Practices, Introduction to Clinical Intakes with Children, Introduction to Child Clinical Psychology, Intelligence Assessment

*Course Instructor, University of Washington*

2016 Department of Speech and Hearing Sciences: Autism Seminar (SPHSC 565)

1995, 1996 Department of Psychology: Child Behavior Disorders (Psych 410)

1993-1994 Departments of English and Psychology: Writing Link to Introductory Psychology (Engl 197)

*Teaching Assistant, University of Washington*

1991-1997 Graduate: Advanced Child Assessment, Intelligence Assessment, Clinical Methods, Clinical Ethics, Undergraduate: Personality Theory, Child Development, Abnormal Psychology

**RESEARCH FUNDING**

Current:

09/04/12-06/30/17, *A Longitudinal MRI Study of Infants at Risk for Autism*, R01 HD055741 (Piven Network PI, **Estes, UW Site Co-PI**), \$2,619,570 total costs-UW site.

09/04/12-06/30/17, *A Longitudinal MRI Study of Infants at Risk for Autism – Behavioral Core*, RO1 HD05574, (Piven Network PI, **Estes, UW Site PI**), \$309,000 total costs- UW site.

04/01/13-3/30/18, *Intervention Effects of Intensity and Delivery Style for Toddlers with ASD*, R01 HD12196 (Rogers Network PI, **Estes, UW site PI**), \$4,603,020 total costs – UW site.

06/01/12-05/31/15, *Strengthening the effects of parent-delivered early intervention to improve symptoms of ASD*, Autism Speaks Foundation (**Estes, PI**). \$760,487 total costs

07/01/08-6/30/14, *Longitudinal Brain Imaging Study of Infants Not Progressing to Autism*, Simons Foundation, (Piven, network PI, Dager PI/ **Estes, Co-PI UW site**), \$187,500 direct costs-UW

02/01/14-01/31/19. *Eye Blink Conditioning in School-Aged Children with ASD*, 1R01 MH100881. (PI: Welsh; Co-PI, **Estes**), \$1,627,888 direct costs

Past:

08/01/07-07/31/13, *A Multi-Site Randomized Study of Intensive Treatment for Toddlers with Autism*, NIMH R01MH081757, (Rogers, network PI; **Estes, PI-UW site**), \$4,599,377 total costs-UW site

07/01/07-6/30/13, *A Longitudinal MRI Study of Infants at Risk for Autism*, NIH, R01 HD055741, (Piven, network PI, Dager; PI/ **Estes, Co-PI UW site**) \$2,035,962 total costs-UW (\$716,571 total costs-**Estes**)

07/01/07-06/30/13, *Behavioral Quality Control for a Longitudinal MRI Study of Infants at Risk for Autism*, NIH R01 HD055741 (**Estes, PI**), \$197,403 total costs

09/20/08-6/30/13, *A Longitudinal MRI Study of Infants at Risk for Autism-NIH Supplement*, NIH R01 HD055741, (Piven, network PI, Dager; PI/**Estes, Co-PI UW site**), \$513,646 direct costs-UW

04/01/08-03/31/13, *ACE Supplement to a Longitudinal MRI Study of Infants at Risk for Autism*, R01 HD55741 (Piven, Network PI, Dager, UW Site PI/**Estes, Co-PI UW site**)

02/01/09-01/31/13, *Collaborative Risk and Outcome Scientific Study*, Autism Speaks 6020 (Piven and Newshaeffer, network Co-PIs, Dager, UW site PI/**Estes, co-investigator**), \$107,143 total costs

02/01/09-01/31/13, *Collaborative Risk and Outcome Scientific Study: Behavioral Reliability Core*, Autism Speaks 6020 (PI: **Estes**), \$75,551 total costs

09/01/09- 08/31/12, *A Longitudinal 3-D MRSI Study of Infants at High Risk for Autism*. NICHD R01HD065283 (Dager, PI, **Estes, Co-investigator**), \$447,523 direct costs

08/01/07-07/31/12, *UW Autism Center of Excellence (ACE) Diagnostic and Assessment Core (Core A)*, NIH P50 HD055782, (**Estes**, PI), \$1,950,000 total costs

08/01/07-07/31/12, *UW Autism Center of Excellence (ACE) Risk and Protective Factors in the Development of Associated Conditions in Autism (Project V)*, NIH P50 HD055782, (**Estes**, PI), \$698,396 total costs

08/01/07-07/31/12, *UW Autism Center of Excellence (ACE) Endophenotypes in Autism (Project I)*, NIH P50 HD055782, (Wjisman, PI; **Estes**, Co-investigator), total costs

03/01/2009-02/28/2012, *Investigation of the Link Between Early Brain Enlargement and Abnormal Functional Connectivity in Autism Spectrum Disorders*, Autism Speaks 3628 (Kleinhans PI; **Estes**, Co-investigator), \$386,394 direct

05/01/07-04/30/10, *A Randomized Clinical Trial of Early Intervention for Infants at Risk for Autism: Early Start Denver Model*, Autism Speaks Foundation (Rogers, network PI; **Estes**, PI-UW site), \$450,000 total costs-UW site

06/01/97-05/31/07, *Collaborative Program of Excellence in Autism (CPEA) Neurobiology and Genetics of Autism*, NIH/NICHD: PO1 HD 34565, (Dawson, PI; **Estes**, Associate Director, 2000-2007)

07/01/02-06/30/07, *Early Detection of Pervasive Developmental Disorders*, NICHD: RO1 HD3961, (Fein, network PI; Dawson, PI-UW site; **Estes**, supervising psychologist 2005-2007)

10/01/03-09/30/04, *Supplement to Neurobiology and Genetics of Autism* NIMH: PO1 HD 34565, (Dawson, PI, **Estes**, supervising psychologist);

06/01/97-05/31/07, *Collaborative Program of Excellence in Autism (CPEA) Neurobiology and Genetics of Autism*, NIH/NICHD: PO1 HD 34565, (Dawson, PI; **Estes**, Research scientist, 1998-2000)

1992-1994, *FAST Track Project*, University of Washington, Department of Psychology, (Greenberg/McMahon, PI; **Estes**, Graduate research assistant)

1988-1991, *Oregon Social Learning Center*, Eugene, OR, (T. J. Dishion, PI; **Estes**, research assistant)

### **CLINICAL EXPERIENCE**

2001-2003, *University of Washington Autism Center Clinic*, staff psychologist

2000-2001, *University of Washington, Department of Psychology*, clinical supervisor

1997, *University of Washington, Department of Psychology, Psychological Services and Training Center*, Acting Clinic Director, Supervisor: Corey Fagan, Ph.D.

1995-1997, *University of Washington, Department of Psychology, Psychological Services and Training Center*, Clinical Intake-Teaching Assistant, Supervisor: Corey Fagan, Ph.D.

- 1994-1995, *Mary Bridge Children's Health Center, Tacoma, WA*, Psychology Extern, Supervisors: Robert Beilke, Ph.D., Arthur Lewy, Ph.D.
- 1994-1995, *University of Washington Department of Family and Child Nursing* Parenting Clinic Parent Training Group Co-therapist, Supervisor: Carolyn Webster-Stratton, Ph.D.
- 1993-1994, *University of Washington Outpatient Psychiatry*, Parent Evaluation Training Program Psychology Extern, Supervisor: G. Andrew H. Benjamin, J.D., Ph.D.
- 1992, *University of Washington, Department of Psychology*, FAST (Families and Schools Together) Track Project Social Skills Group Co-facilitator, Supervisor: Mark T. Greenberg, Ph.D.

## **BIBLIOGRAPHY**

### *A: Refereed Journals*

- Anney, R., Klei, L., Pinto, D., Almeida, J., Bacchelli, E., Baird, G., Bolshakova, N., Sven Bölte, S., Bolton, P.F., Bourgeron, T., Brennan, S., Brian, J., Casey, J., Conroy, J., Correia, C., Corsello, C., Crawford, E.L., M. de, J., Delorme, R., Duketis, E., Duque, F., **Estes, A.**, et al (2012). Individual common variants exert weak effects on risk for autism spectrum disorder. *Human Molecular Genetics*, 1;21(21):4781-92. doi: 10.1093/hmg/dds301. (PMC3471395)
- Anney, R., Klei, L., Pinto, D., Regan, R., Conroy, J., Magalhaes, T.R., Correia, C., Abrahams, B.S., Sykes, N., Pagnamenta, A.T., Almeida, J., Bacchelli, E., Bailey, A.J., Baird, G., Battaglia, A., Berney, T., Bolshakova, N., Bölte, S., Bolton, P.F., Bourgeron, T., Brennan, S., Brian, J., Carson, A.R., Casallo, G., Casey, J., Chu, S., Cochrane, L., Corsello, C., Crawford, E.L., Crossett, A., Dawson, G., de Jonge, M., Delorme, R., Drmic, I., Duketis, E., Duque, F., **Estes, A.**, et al. (2010). A genomewide scan for common alleles affecting risk for autism. *Human Molecular Genetics*, 19(20), 4072-4082. (PMC2947401)
- Autism Genome Project Consortium, Szatmari, P., Paterson, A. D., Zwaigenbaum, L., Roberts, W., Brian, J., Liu, X. Q., Vincent, J. B., Skaug, J. L., Thompson, A. P., Senman, L., Feuk, L., Qian, C., Bryson, S. E., Jones, M. B., Marshall, C. R., Scherer, S. W., Vieland, V. J., Bartlett, C., Mangin, L. V., Goedken, R., Segre, A., Pericak-Vance, M. A., Cuccaro, M. L., Gilbert, J. R., Wright, H. H., Abramson, R. K., Betancur, C., Bourgeron, T., Gillberg, C., Leboyer, M., Buxbaum, J. D., Davis, K. L., Hollander, E., Silverman, J. M., Hallmayer, J., Lotspeich, L., Sutcliffe, J. S., Haines, J. L., Folstein, S. E., Piven, J., Wassink, T. H., Sheffield, V., Geschwind, D. H., Bucan, M., Brown, W. T., Cantor, R. M., Constantino, J. N., Gilliam, T. C., Herbert, M., Lajonchere, C., Ledbetter, D. H., Lese-Martin, C., Miller, J., Nelson, S., Samango-Sprouse, C. A., Spence, S., State, M., Tanzi, R. E., Coon, H., Dawson, G., Devlin, B., **Estes, A.**, et al. (2007). Mapping autism risk loci using genetic linkage and chromosomal rearrangements. *Nature Genetics*, 39(3), 319-328.
- Bernier, R., Gerds, J., Munson, J., Dawson, G., **Estes, A.** (2012). Evidence for broader autism phenotype in parents from multiple-incidence autism families. *Autism Research*, 5(1), 13-20. doi: 10.1002/aur.226 (PMC3237782)
- Brune, C.W., Korvatska, E., Allen-Brady, K., Cook, E., Dawson, G., Devlin, B., **Estes, A.**, Hennelly, M., Hyman, S., McMahon, W., Munson, J., Rodier, P., Schellenberg,

- G., Stodgell, C., & Coon, H. (2008). Heterogeneous association between engrailed-2 and autism in the CPEA network. *American Journal of Medical Genetics Part B (Neuropsychiatric Genetics)*, 147B (2), 187-193. (PMID17948868)
- Casey, J.P., Magalhaes, T., Conroy, J.M., Regan, R., Shah, N., Anney, R., Shields, D.C., Abrahams, B.S., Almeida, J., Bacchelli, E., Bailey, A.J., Baird, G., Battaglia, A., Berney, T., Bolshakova, N., Bolton, P.F., Bourgeron, T., Brennan, S., Cali, P., Correia, C., Corsello, C., Coutanche, M., Dawson, G., de Jonge, M., Delorme, R., Duketis, E., Duque, F., **Estes, A.**, Farrar, P., Fernandez, B.A., Folstein, S.E., Foley, S., Fombonne, E., Freitag, C.M., Gilbert, J., Gillberg, C., Glessner, J.T., Green, J., Guter, S.J., Hakonarson, H., Holt, R. Hughes, G., Hus, V., Iglizoi, R., Kim, C., Klauck, S.M., Kolevzon, A., Lamb, J.A., Leboyer, M., Le Couteur, A., Leventhal, B.L., Lord, C., Sabata, C. Lund, S.C., Maestrini, E., Mantoulan, C., Marshall, C.R., McConachie, H., McDougle, C.J., McGrath, J., McMahon, W.M., Merikangas, A., Miller, J., Minopoli, F., Mirza, G.K., Munson, J., Nelson, S.F., Nygren, G., Oliveira, G., Pagnamenta, A.T., Papanikolaou, K., Parr, J.R., Parrini, B., Pickles, A., Pinto, D., Piven, J., Posey, D.J., Poustka, A., Poustka, F., Ragoussis, J., Roge, B., Rutter, M.L., Sequeira, A.F., Soorya, L., Sousa, I., Sykes, N., Stoppioni, V., Tancredi, R., Tauber, M., Thompson, A.P., Thomson, S., Tsiantis, J., Van Engeland, H., Vincent, J.B., Volkmar, F., Vorstman, J.A.S., Wallace, S., Wang, K., Wassink, T.H., White, K., Wing, K., Wittemeyer, K., Yaspan, B.L., Zwaigenbaum, L., Betancur, C., Buxbaum, J.D., Cantor, R.M., Cook, E.H., Coon, H., Cuccaro, M.L., Geschwind, D.H., Haines, J.L., Hallmayer, J.H., Monaco, A.P., Nurnberger Jr., J.I., Pericak-Vance, M.A., Schellenberg, G.D., Scherer, S.W., Sutcliffe, J.S., Szatmari, P., Vieland, V.J., Wijsman, L.M., Green, A., Gill, M., Gallagher, L., Vicente, A., & Ennis, S. (2011). A novel approach to homozygous haplotype sharing identifies candidate genes in autism spectrum disorder. *Human Genetics*. 131(4):565-79, doi: 10.1007/s00439-011-1094-6 (PMC3303079)
- Chapman, N., **Estes, A.**, Munson, J., Bernier, R., Webb, S., Rothstein, J., Minshew, N., Dawson, G., Schellenberg, G., Wijsman, E. (2011). Genome scan for IQ discrepancy in autism: evidence for loci on chromosomes 10 and 16. *Human Genetics*. 129(1), 59-70, DOI: 10.1007/s00439-010-0899-z. (PMC3082447)
- Chen, Y., Matshushita, M., Girirajan, S., Lisowski, M., Sun, E., Sul, Y., Bernier, R., **Estes, A.**, Dawson, G., Minshew, N., Schellenberg, G.D., Eichler, E.E., Rieder, M., J., Nickerson, D., Tsuang, D.W., Wijsman, E.M., Brkanac, Z., Raskind, W. H. (2012). Further evidence for association of GNB1L with neurodevelopmental disorders. *Neuropsychiatric Genetics*. 159B (1):61-71.doi: 10.1002/ajmg.b.32002 (PMC3270696)
- Corrigan NM, Shaw DW, **Estes AM**, Richards TL, Munson J, Friedman SD, Dawson G, Artru AAI, Dager SR (2013). Atypical Developmental Patterns of Brain Chemistry in Children with Autism Spectrum Disorder. *JAMA Psychiatry*; 70(9):964-74 DOI:10.1001/jamapsychiatry.2013.1388 (PMC23903694)
- Corrigan, N.M., Shaw, D.W.W., Richards, T.L., **Estes, A.**, Friedman, S., Petropoulos, H., Artru, A., Dager, S.R. (2012). Proton magnetic resonance spectroscopy and MRI reveal no evidence for brain mitochondrial dysfunction in children with autism spectrum disorder. *Journal of Autism and Developmental Disorders*, 42:105-115. DOI: 10.1007/s10803-011-1216-y. (PMID21404085)
- Dager, S.R., Corrigan, N., **Estes, A.**, & Shaw., D.W.W. (2012). Further commentary on mitochondrial dysfunction in autism spectrum disorder: Assessment and

- treatment considerations. *Journal of Autism and Developmental Disabilities*. 42:. DOI: 10.1007/s10803-011-1216-y.
- Dawson, G., **Estes, A.**, Munson, J., Schellenberg, G., Bernier, R., Abbot, R., & Wijsman, E. (2007). Quantitative assessment of autism symptom-related traits in probands and parents: Broader phenotype of autism symptom scale. *Journal of Autism and Developmental Disorders*, 37(3), 523-536.
- Dawson, G., Munson, J., **Estes, A.**, Osterling, J., McPartland, J., Toth, K., Carver, L., & Abbot, R. (2002). Neurocognitive function and joint attention ability in young children with autism spectrum disorder. *Child Development*, 73(2), 345-358.
- Dawson, G., Toth, K., Abbott, R., Osterling, J., Munson, J., **Estes, A.**, & Liaw, J. (2004). Early social attention impairments in autism: Social orienting, joint attention, and attention to distress. *Developmental Psychology*, 40(2), 271-283.
- Dawson, G., Webb, S.J, Wijsman, E., Schellenberg, G., **Estes, A.**, Munson, J., & Faja S. (2005). Neurocognitive and electrophysiological evidence of altered face processing in parents of children with autism: Implications for a model of abnormal development of social brain circuitry in autism, *Development and Psychopathology*, 17(3), 679-697.
- Devlin, B., Cook, E.H., Coon, H., Dawson, G., Grigorenko, E.L., McMahon, W., Minshew, N., Pauls, D., Smith, M., Spence, M.A., Rodier, P.M., Stodgell, C., Bennett, P., Lainart, J., Escamilla, J., Abbott, R., **Estes, A.**, et al., & Schellenberg, G. (2005). Autism and the serotonin transporter: the long and the short of it. *Molecular Psychiatry*, 10, 1110-1116.
- Elison, J.T., Wolff, J.J., Reznick, S., Botteron, K., **Estes, A.**, Gu, H., Hazlett, H., Meadows, A., Paterson, S.J., Zwaigenbaum, L., Piven, J., & the IBIS network (2014). Repetitive Behavior in 12-Month-Olds Later Classified With Autism Spectrum Disorder. *Journal of the American Academy of Child and Adolescent Psychiatry*; 53(11):1261-24. (PMC4254502)
- Elison, J.T., Paterson, S.J., Wolff, J.J., Reznick, S., Sasson, N.J., Gu, H., Botteron, K., Dager, S.R., **Estes, A.**, Evans, A., Gerig, G., Hazlett, H., Schultz, R.T., Styner, M., Zwaigenbaum, L., Piven, J., & the IBIS network (2013). White matter microstructure and atypical visual orienting in 7 month-olds at risk for autism. *The American Journal of Psychiatry*. 170(8), 899-908. doi:10.1176/appi.ajp.2012.12091150 (PMC3863364)
- Estes, A.**, Zwaigenbaum, L., Gu, H., St. John, T., Paterson, S., Elison, J., Hazlet, H., Botteron, K., Dager, S., Schultz, R., Kostopoulos, P., Evans, A., Dawson, G., Eliason, J., Alvarez, S., Piven, J, and the IBIS network (2015) Behavioral, cognitive and adaptive skill development in infants at risk for autism spectrum disorder in the first 2 years of life. *Journal of Neurodevelopmental Disorders*. 7(1):24. doi: 10.1186/s11689-015-9117-6. Epub 2015 Jul 16.
- Estes, A.**, Munson, J., Rogers, S.J, Dawson, G. Long-term outcomes of early, intensive, behavioral intervention for autism (2015) *Journal of the American Academy of Child and Adolescent Psychiatry*. doi:10.1016/j.jaac.2015.04.005.
- Estes, A.**, Vismara, L., Mercado, C., Fitzpatrick, A., Elder, L., Greenson, J., Lord, C., Munson, J., Winter, J., Young, G., Rogers, S. (2013). The impact of parent-delivered intervention on parents of young children with autism. *Journal of Autism and Developmental Disabilities*. 44(2), 353-365. doi: 10.1007/s10803-013-1874-z (PMC3888483)
- Estes, A.**, Olson, E., Munson, J., Sullivan K., Greenson, J., Winter, J., Dawson, G. (2013). Parenting-related stress and psychological distress in mothers of toddlers with autism spectrum disorders. *Brain & Development*, 35, 133-138. DOI: 10.1016/j.braindev.2012.10.004.(PMC3552060)



- Estes, A.**, Rivera, V., Bryan, M., Cali, P., & Dawson, G. (2011). Discrepancies between academic achievement and intellectual ability in school-aged children with autism spectrum disorder. *Journal of Autism and Developmental Disorders*, 41(8), 1044-1052. DOI:10.1007/s10803-010-1127-3. (PMID21042871)
- Estes, A.**, Shaw, D., Sparks, B., Friedman, S., Geid, J.N., Dawson, G., & Dager, S.R. (2011). Basal ganglia morphometry and repetitive behavior in young children with autism spectrum disorder. *Autism Research*, 4, 3, 212-220. (PMC3110551)
- Estes, A.**, Munson, J., Dawson, G., Koehler, E., Zhou, X., & Abbott, R. (2009). Parenting stress and psychological functioning among mothers of preschool children with autism and developmental delay. *Autism: International Journal of Research and Practice*, 13(4), 375-387. (PMC2965631)
- Estes, A.**, Dawson, G., Sterling, L., & Munson, J. (2007). Level of intellectual functioning predicts different patterns of associated symptoms in school-age children with autism spectrum disorder. *American Journal of Mental Retardation*, 112(6), 439-449. (PMID17963435)
- Faja, S., Dawson, G., Sullivan, K., **Estes, A.**, Bernier, R. (2016). Executive function predicts the development of play skills for verbal preschoolers with autism spectrum disorders, *Autism Research*. doi: 10.1002/aur.1608. (epub ahead of print) PMID: 26890821.
- Fatemi, S.H., Aldinger, K.A., Ashwood, P., Bauman, M.L., Blaha, C.D., Dager, S.R., **Estes, A.**, Goldowitz, D., Heck, D.H., Kemper, T.L., King, B.H., Martin, L.A., Millen, K.J., Mittleman, G., Mosconi, M.W., Persico, A.M., Sweeney, J.A., Webb, S.J., Welsh, J.P. (2013). Consensus paper: pathological role of the cerebellum in autism. *Cerebellum*. 11(3):777-807 doi: 10.1007/s12311-012-0355-9 (PMC3677555)
- Gerdtts, J.A., Bernier, R., Dawson, G., **Estes, A.** (2013). The broader autism phenotype in simplex and multiplex families. *Journal of Autism and Developmental Disorders*. 43(7): 1597-605. Doi: 10.1007/s10803-012-1706-6. (PMC 23117424)
- Glessner, J.T., Wang, K., Cai, G., Korvatska, O., Kim, C.E., Wood, S., Zhang, H., **Estes, A.**, Brune, C., Bradfield, J.P., Imielinski, M., Frackelton, E.C., Reichert, J., Crawford, E., Munson, J., Sleiman, P., Chiavacci, R., Annaiah, K., Thomas, K., Hou, C., Glaberson, W., Flory, J., Otieno, F., Garris, M., Soorya, L., Klei, L., Piven, J., Meyer, KJ., Anagnostou, E., Sakurai, T., Game, RM., Rudd, DS., Zurawiecki, D., McDougle, C., Davis, LK., Miller, J., Posey, D., Michaels, S., Kolevzon, A., Silverman, J., Bernier, R., Levy, SE., Dawson, G., Owley, T., McMahon, WM., Wassink, TH., Sweeney, JA., Nurnberger Jr., Coon, H., Sutcliffe, JS., Minshew, NJ., Grant, S., Bucan, M., Cook, EH., Buxbaum, JD., Devlin, B., Schellenberg, GD., & Hakonarson, H. (2009). Autism genome wide copy number variation reveals ubiquitin and neuronal genes. *Nature*, 459(7246), 569-573. (PMC2925224)
- Hazlett, H.C., Gu, H., McKinstry, R.C., Shaw, D.W.W., Botteron, K.N., Dager, S.R., Styner, M., Vachet, C., Gerig, G., Paterson, S., Schultz, R., **Estes, A.**, Evans, A., Piven, J., IBIS Network (2012). Brain volume findings in six month old infants at high familial risk for autism. *American Journal of Psychiatry*, 169(6), 601-608. doi: 10.1176/appi.ajp.2012.11091425 (PMC3744332)
- Jones, E., Webb, S.J., **Estes, A.**, Dawson, G. (2013). Rule learning in autism: The role of reward type and social context. *Developmental Neuropsychology*. 38(1), 58-77. (PMC3707509)
- Jones, E., Venema, K., Earl, R., Lowy, R., Barnes, K., Estes, A., Dawson, G., Webb, S. (2016). Reduced engagement with social stimuli in 6-month-old infants with later autism spectrum disorder: a longitudinal prospective study of infants at high

- familial risk. *Journal of Neurodevelopmental Disorders*. 8:7 (15 March 2016) doi: 10.1186/s11689-016-9139-8.
- Kim, J.E., Lyoo, I.K., **Estes, A.**, Renshaw, P., Shaw, D.W., Friedman, S.D., Kim, D.J. Yoon, S.J., & Dager, S.R. (2010). Laterobasal amygdalar enlargement in 6- to 7-year-old children with autism spectrum disorder. *Archives of General Psychiatry*, 67(11), 1187-1197. (PMID21041620)
- Kleinhans, N.M., Pauley, G., Richards, T., Neuhaus, E., Martin, N., Corrigan, N.M., Shaw, D.W., **Estes, A.**, Dager, S.R. (2012). Age-related abnormalities in white matter microstructure in autism spectrum disorders. *Brain Research*. 15; 1479:1-16. doi: 10.1016/j.brainres.2012.07.056 (PMC3513400)
- Kleinhans, N.M., Reiter, M.A., Neuhaus, E., Pauley, G., Dager, S.R., **Estes, A.**, (2016). *Autism Research*, (2015, Dec 15) doi: 10.1002/aur.1589 (epub ahead of print).
- Korvatska, O., **Estes, A.**, Munson, J., Berkis, L., Kohen, R., Yu, C.E., Schellenberg, G.D., & Raskind, W.H. (2011). Mutations in the TSGA14 gene in families with autism spectrum disorders. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*. 156B(3), 303-311. (PMC3552624)
- Kuhl, P.K., Coffey-Corina, S., Padden, D., Munson, J., **Estes, A.**, Dawson, G. (2013). Brain responses to words in 2-year-olds with autism predict developmental outcomes at age 6. *PLoS One*, 29; 8(5). doi :10.1371/journal.pone.0064967 (PMC3666972)
- Lainhart, J.E., Bigler, E.D., Bocian, M., Coon, H., Dinh, E., Dawson, G., Deutsch, C.K., Dunn, M., **Estes, A.**, Tager-Flusberg, H., Folstein, S., Hepburn, S., Hyman, S., McMahon, W., Minshew, N., Munson, J., Osann, K., Ozonoff, S., Rodier, P., Rogers, S., Sigman, M., Spence, M.A., Stodgell, C.J., & Volkmar, F. (2006). Head circumference and height in autism: a study by the Collaborative Program of Excellence in Autism. *American Journal of Medical Genetics Part A*, 140(21), 2257-2274.
- Lewis, J. D., Evans, A. C., Pruett, J.R., Botteron, K., Zwaigenbaum, L., **Estes, A.**, Gerig, G., Collins, L., Kostopoulos, P., McKinstry, R., Dager, S.R., Paterson, S., Schultz, R., Styner, M., Hazlett, H., Piven, J. and the IBIS network (2014). "Network inefficiencies in autism spectrum disorder at 24 months." *Translational Psychiatry*, 4, e388; doi:10.1038/tp.2014.24. (PMC4035719)
- Liu, X.Q., Paterson, A.D., & Szatmari, P., Bailey, A.J., Baird, G., Bartlett, C., Battaglia, A., Berney, T., Betancur, C., Bölte, S., Bolton, P.F., Brian, J., Bryson, S.E., Buxbaum, J.D., Cantor, R.M., Cook, E.H., Coon, H., Corsello, C., Cuccaro, M.L., Davis, K.L., Dawson, G., de Jonge, M., Devlin, B., Ennis, S., **Estes, A.**, et. al. (2008). Genome-wide linkage analyses of quantitative and categorical autism subphenotypes. *Biological Psychiatry*, 64(7), 561-70. (PMC2670970)
- Munson, J., Dawson, G., Sterling, L., Beauchaine, T., Zhou, A., Kohler, E., Lord, C., Rogers, S., Sigman, M., **Estes, A.**, & Abbott, R. (2008). Evidence for latent classes of IQ in young children with autism spectrum disorder. *American Journal on Mental Retardation*, 113(6), 439-452. (PMC2991056)
- Neuhaus, E., Jones, E.J., Barnes, K., Sterling, L., Estes, A., Munson, J., Dawson, G., Webb, S.J. (2016). The relationship between early neural responses to emotional faces at age 3 and later autism and anxiety symptoms in adolescents with autism. *Journal of Autism and Developmental Disorders* (epub ahead of print; PMID: 27055415).
- Noor, A., Whibley, A., Marshall, C.R., Gianakopoulos, P.J., Piton, A., Carson, A.R., Orlic-Milacic, M., Lionel, A., Sato, D., Pinto, D., Irene Drmic, Noakes, C., Senman, L., Zhang, X., Mo, R., Gauthier, J., Crosbie, J., Pagnamenta, A.T., Munson, J., **Estes, A.**, Fiebig, A., Franke, A., Schreiber, S., Stewart, A.F.R.,

- Roberts, R., McPherson, R., Guter, S.J., Cook Jr., E.H., Dawson, G., Schellenberg, G.D., Battaglia, A., Maestrini, E., Autism Genome Project Consortium, Jeng, L., Hutchison, T., Rajcan-Separovic, E., Chudley, A.E., Lewis, S.M.E., Liu, X., Holden, J., Fernandez, B., Zwaigenbaum, L., Bryson, S.E., Roberts, W., Szatmari, P., Gallagher, L., Stratton, M.R., Gecz, J., Brady, A.F., Schwartz, C.E., Schachar, R.J., Monaco, A.P., Rouleau, G.A., Hui, C., Raymond, F.L., Scherer, S.W., Vincent, J.B. (2010). Disruption at the PTCHD1 locus on Xp22.11 in autism spectrum disorder and intellectual disability. *Science Translational Medicine*, 2(49), 49ra68. (PMC2987731)
- Pinto, D., Pagnamenta, A. T., Klei, L., Anney, R., Merico, D., Regan, R., Conroy, J., Magalhaes, T. R., Correia, C., Abrahams, B. S., Almeida, J., Bacchelli, E., Bader, G. D., Bailey, A. J., Baird, G., Battaglia, A., Berney, T., Bolshakova, N., Bolte, S., Bolton, P. F., Bourgeron, T., Brennan, S., Brian, J., Bryson, S. E., Carson, A. R., Casallo, G., Casey, J., Chung, B. H., Cochrane, L., Corsello, C., Crawford, E. L., Crossett, A., Cytrynbaum, C., Dawson, G., de Jonge, M., Delorme, R., Drmic, I., Duketis, E., Duque, F., **Estes, A.**, et al., (2010). Functional impact of global rare copy number variation in autism spectrum disorders. *Nature*, 466(7304), 368-372. (PMC3021798)
- Pruett J, Kandala S, Hoertel S, Snyder AZ, Elison JT, Nishino T, Feczko E, Dosenbach N, Nardos B, Power JD, Adeyemo B, Botteron KN, McKinstry RC, Evans AC, Hazlett HC, Dager SR, Schultz RT, Collins L, Fonov V, Styner M, Gerig G, Das S, Kostopoulos P, Constantino JN, **Estes A.** The IBIS Network, Petersen SE, Schlaggar BL, and Piven J.(2015). Accurate age classification of 6 and 12 month-old infants based on resting-state functional connectivity magnetic resonance imaging data. *Developmental Cognitive Neuroscience*, 12, 123-33. (PMC4385423)
- Rogers, S.J., **Estes, A.**, Lord, C., Vismara, L., Winter, J., Fitzpatrick, A., Guo, M., Dawson, G. (2012). Effects of a brief ESDM-based parent intervention on toddlers at risk for ASD: A randomized controlled trial. *Journal of the American Academy of Child and Adolescent Psychiatry*, 51(10), 1052-1065. (PMC3487718)
- Schellenberg, G., Dawson, G., Sung, Y.J., **Estes, A.**, Munson, J., Rosenthal, E., Rothstein, J., Flodman, P., Smith, M., Coon, H., Leong, L., Yu, C-E., Stodgell, C., Rodier, P.M., Spence, M.A., Minshew, N., McMahon, W.M., & Wijsman, E. (2006). Evidence for genetic linkage of autism to chromosome 7 and 4. *Molecular Psychiatry*, 11(11), 979.
- Schellenberg, G., Dawson, G., Sung, Y.J., **Estes, A.**, Munson, J., Rosenthal, E., Rothstein, J., Flodman, P., Smith, M., Coon, H., Leong, L., Yu, C-E., Stodgell, C., Rodier, P.M., Spence, M.A., Minshew, N., McMahon, W.M., & Wijsman, E. (2006). Evidence for multiple loci from a genome scan of autism kindreds. *Molecular Psychiatry*, 11(11), 1049-1060.
- Siller, M., Morgan, L., Turner-Brown, L., Baggett, K., Baranek, G., Brian, J., Bryson, S., Carter, A., Crais, E., **Estes, A.**, Kasari, C., Landa, R. Lord, C., Messinger, D., Mundy, P., Odom, S.L., Reznick, S., Roberts, W., Rogers, S., Schertz, H., Smith, I., Stone, W., Watson, L., Wetherby, A., Yoder, P., Zwaigenbaum, L. (2014). Designing studies to evaluate parent-mediated interventions for toddlers with autism spectrum disorders. *Journal of Early Intervention*, 35(4), 355-377. doi: 10.1177/1053815114542507
- Sterling, L., Munson, J., **Estes, A.**, Murias, M., Webb, S.J., King, B., Dawson, G., (2013). Fear-potentiated startle response is unrelated to social or emotional

- functioning in adolescents with autism spectrum disorders. *Autism Research*, doi: 10.1176/appi.ajp.2012.12091150 (PMC4141562)
- Sterling, L., Dawson, G., **Estes, A.**, & Greenson, J. (2008). Characteristics associated with presence of depressive symptoms in adults with autism spectrum disorder. *Journal of Autism and Developmental Disorders*. 38(6),1011-8. (PMID17975722)
- Sultana, R., Yu, C.-E., Yu, J., Munson, J., Chen, D., Hua, W., **Estes, A.**, Cortes, F., de la Barra, F., Yu, D., Haider, S. T., Trask, B. J., Green, E. D., Raskind, W. H., Disteche, C. M., Wijsman, E., Dawson, G., Storm, D. R., Schellenberg, G. D., & Villacres, E. C. (2002). Identification of a novel gene on chromosome 7q11.2 interrupted by a translocation breakpoint in a pair of autistic twins. *Genomics*, 80(2), 129-134.
- Sung, Y., Dawson, G., Munson, J., **Estes, A.**, Schellenberg, G., & Wijsman, E. (2005). Genetic investigation of quantitative traits related to autism: Use of multivariate polygenic models with ascertainment adjustment. *American Journal of Human Genetics*, 76(1), 68-81.
- Swanson, MR, Wolff, JJ, Elison, JT, Gu, H, Hazlett, HC, Botteron, KN, Styner, MA, Paterson, S., Gerig, G., Constantino, J., Dager, S., **Estes, A.**, Vachet, C., Piven, J. and the IBIS network (2016). Splenium Development and Early Spoken Language in infants with autism spectrum disorders. *Developmental Science*. (2015 Oct 21) doi: 10.1111/desc.12360 (epub ahead of print).
- Swanson, M.R., Shen, M. D., Wolff, J. J., Boyd, B., Clements, M., Rehg, M., Elison, J. T., Paterson, S., Parish-Morris, J., Chappell, J. C., Hazlett, H. C., Emerson, W. R., Botteron, K., Pandey, J., Schultz, R., Dager, S. R., Zwaigenbaum, L., **Estes, A. M.**, Piven, J., for the IBIS Network. (in press). When *more* is not *better*: Naturalistic home language recordings reveal “hyper-vocal” infants at high familial risk for autism. *Child Development*.
- Wang, K., Zhang, H., Ma, D., Bucan, M., Glessner, J.T., Abrahams, BS., Salyakina, D., Imielinski, M., Bradfield, J.P., Sleiman, P., Kim, C.E., Chiavacci, R., Takahashi, N., Sakurai, T., Rappaport, E., Lajohchere, C.M., Munson, J., **Estes, A.**, Korvatska, O., Piven, J., Sonnenblick, L.I., Alvarex Retuerto, A., Herman, E.I., Dong, H., Hutman, T., Sigman, M., Ozonoff, S., Klin, A., Owley, T., Sweeney, J.A., Brune, C.W., Cantor, R., Bernier, R., Gilbert, J.R., Cuccaro, M.L., Wassink, T.H., McMahon, W.M., Coon, H., Miller, J., Nurnberger, J.I., State, M., Haines, J.L., Levy, S., Sutcliffe, J.S., Cook, E.H., Minshew, N.J., Buxbaum, J.D., Dawson, G., Grant, S., Geshwind, D.H., Pericak-Vance, M., Schellenberg, G.D., & Hakonarson, H. (2009). Common genetic variants on 5p14.1 associate with autism spectrum disorders. *Nature*, 459(7246), 528-533. (PMCID29943511)
- Weiss, L.A., Arking, D.E., Daly, M.J., Chakravarti, A., JHU – NIMH Genome Scan Team, Autism Consortium - AGRE Genome Scan Team, Replication Teams Autism Genome Project Consortium, listed alphabetically, Anney, R., Bailey, A.J., Baird, G., Battaglia, A., Berney, T., Betancur, C., Bölte, S., Bolton, P.F., Brian, J., Bryson, S.E, Buxbaum, J.D., Cabrito, I., Cai, G., Cantor, R.M., Cook, E.H., Coon, H., Conroy, J., Correia, C., Corsello, C., Crawford, E.L., Cuccaro, M.L., Dawson, G., de Jonge, M., Devlin, B., Duketis, E., Ennis, S., **Estes, A.**, et al., The Homozygosity Mapping Collaborative for Autism (HMCA), MGH-Oulu Study, MGH-Iran Study, MGH-EDSP Study, Children’s Hospital Boston, Montreal, (2009). A genome-wide linkage and association scan reveals novel loci for autism. *Nature*, 461, 802-808. (PMCID2772655)
- Wolff, J.J., Gu, H., Gerig, G., Elison, J.T., Styner, M., Gouttard, S., Botteron, K., Dager, S., Dawson, G., **Estes, A.**, Evans, Al., Hazlett, H., Kostopoulos, P., McKinstry,

- R., Paterson, S. Schultz, R., Zwaigenbaum, L., Piven, J. and the IBIS network, (2012). Differences in white matter fiber tract development present from 6 to 24 months in infants with autism. *American Journal of Psychiatry*. 169, 6:589-600. doi: 10.1176/appi.ajp.2011.11091447 (PMC3377782)
- Wolff, JJ., Botteron, KN, Dager, SR, Elison, JT, **Estes, A.**, Gu, H., Hazlett, HC, Pandey, J., Paterson, SJ, Schultz, RT, Zwaigenbaum, L., Piven, J. (2014). Longitudinal patterns of repetitive behavior in toddlers with autism. *Journal of Child Psychology and Psychiatry*, 55(8), 945-953. doi: 10.1111/jcpp.12207 (PMC4107191)
- Wolff, JJ., Gerig, G., Lewis, JD., Soda, T., Styner, M., Vachet, C., Botteron, KN., Elison, JT., Dager, SR., Estes, A., Hazlett, HC., Shultz, RT., Zwaigenbaum, L., Piven, J. (2015). Altered corpus callosum morphology associated with autism over the first 2 years of life. *Brain: A journal of Neurology*, doi: 10.1093/brain/awv118 (PMC25937563)
- Yu, C.-E., Dawson, G., Munson, J., D'Souza, I., Osterling, J., **Estes, A.**, Leutenegger, A.-L., Flodman, P., Smith, M., Raskind, W.H., Spence, M.A., McMahon, W., Wijsman, W.M., & Schellenberg, G.D. (2002). Presence of large deletions in kindreds with autism. *American Journal of Human Genetics*, 71(1), 100-115
- Zwaigenbaum L, Bauman ML, Choueiri R, Kasari C, Carter A, Granpeesheh D, Mailloux Z, Roley SS, Wagner S, Fein D, Pierce K, Buie T, Davis PA, Newschaffer C, Robins D, Wetherby A, Stone WL, Yirmiya N, **Estes A.**, et al. Early Intervention for Children with Autism Spectrum Disorder Under 3 Years of Age: Recommendations for Practice and Research. (2015) *Pediatrics*. 136:S60-S81.
- Zwaigenbaum L, Bauman ML, Fein D, Pierce K, Buie T, Davis PA, Newschaffer C, Robins DL, Wetherby A, Choueiri R, Kasari C, Stone WL, Yirmiya N, **Estes A.**, et al. Early Screening of Autism Spectrum Disorder: Recommendations for Practice and Research. (2015) *Pediatrics*. 136:S41-S59.
- Zwaigenbaum L, Bauman ML, Stone WL, Yirmiya N, **Estes A.**, et al. Early Identification of Autism Spectrum Disorder: Recommendations for Practice and Research. (2015) *Pediatrics*. 136:S10-S40.
- Zwaigenbaum, L., Bauman, ML, Choueiri, R., Fein, D., Kasari, C., Pierce, K., Stone, WL, Yirmiya, N., **Estes A.**, Hansen, RL, McPartland, JC, Natowicz, M, Buie, T., Carter, A., Davis, P, Granpeesheh, D., Mailloux, Z., Newschaffer, C., Robins, D., Roley, SS., Wagner, S., Wetherby, A., Early Identification, Screening, and Intervention of Autism Spectrum Disorder: Executive Summary (2015) *Pediatrics*. 136:S1-S9.

#### *B: Book Chapters*

- Estes, A.**, Hus, V., Elder, L. (2011). Family adaptive functioning in autism. In D. Amaral, G. Dawson, & D. Geshwind (Eds.), *Autism Spectrum Disorders*, pp. 1182-1195.
- McMahon, R.J., & **Estes, A.** (1997). Conduct problems. In E.J. Mash & L.G. Terdal (Eds.), *Assessment of childhood disorders* (3rd ed.), pp. 130-193. New York: Guilford Press.

#### *C: Other Publications*

- Estes, A.** (1992). *Lead Observer's Manual*. Unpublished Manuscript, FAST Track Project, Seattle, WA.
- Estes, A.**, Bernier, R., & Dawson, G. (2004). *Broader Phenotype Autism Symptom Scale; Reliability Manual*. Unpublished Manuscript, UW Autism Center Research Program, Seattle, WA.

- Estes, A.**, Munson, J., Bernier, R., & Dawson, G. (2004). *Broader Phenotype Autism Symptom Scale; Administration and Coding Manual*. Unpublished Manuscript, UW Autism Center Research Program, Seattle, WA.
- McMahon, R.J., & **Estes, A.** (1992). *Behavioral Coding System*. Unpublished Manuscript, FAST Track Project, Seattle, WA.
- Penney, A., & **Estes, A.** (2015, July 29). The Value of Getting to Know Your Child's School Support Team. *Autism Parenting Magazine*, 18-21.
- Rusby, J.C., **Estes, A.**, & Dishion, T.J. (2000). The interpersonal process code. Abstracted in J. Touliatos, B. F. Perlmutter, & G. W. Holden (Eds.), *Handbook of family measurement techniques*, Volume 2. Thousand Oaks, CA: Sage Publications

*D: Submitted Manuscripts*

- Barnes, K., Jones, E., Venema, K., Kincade, R., Murias, M., Elsabbagh, M., Munson, J., **Estes, A.**, Dawson, G. (under review). One year old infants who develop autism symptoms show increased frontal brain activity while viewing nonsocial stimuli *Infancy*.
- Cidav, Z., Munson, J., **Estes, A.**, Knapp, M., Buescher, A., Dawson, G., Mandell, D. (under review). Cost evaluation of an early intervention program for children with ASD. *Autism Research*
- Emerson, R., and the IBIS network (under review). Functional neuroimaging in 6-month-old high-risk infants predicts later autism. *New England Journal of Medicine*.
- Hazlett HC, Gu H, Munsell BC, Kim SH, Martin Styner M, Jason Wolff J, Elison J, Swanson M, Botteron KN, Collins L, John N. Constantino JN, Dager SR, **Estes, A.**, Alan C. Evans AC, Fonov V, Gerig G, Kostopoulos P, McKinstry R, Pandey J, Paterson S, Pruett J, Schultz RT, Dennis Shaw D, Zwaigenbaum L, Piven J, IBIS Network (under review). Hyper-expansion of Cortical Surface Area in the First Year, Linked to Brain Overgrowth and the Emergence of Social Deficits, Predicts Autism at Age Two in a High Risk Sample. *Nature*.
- Rogers, SJ, **Estes, A.**, Lord, C, Fitzpatrick, A., Lange, N., Dawson, G., Winter, J., Rocha, M., Colombi, C., Vismara, L., Greenson, J., Guo, M., Lin, F., Munson, J. A multisite randomized controlled trial of the Early Start Denver Model intervention for toddlers with autism (in preparation).

*E: Abstracts and Refereed Presentations*

- Alvarez, S., **Estes, A.**, LeBlanc, B., St. John, T., Dager, S., and the IBIS network. (2014, May). *Communication spontaneity in response to direct social prompts predicts ASD symptoms in high and low risk infants* Poster presentation at the International Meeting for Autism Research, Atlanta, GA.
- Alvarez, S., **Estes, A.**, Elgin, J., LeBlanc, B., Rosenberg, A., and the IBIS network. (2012, May) *Communication spontaneity in infants at high and low risk for ASD*. Presentation at the International Meeting for Autism Research, Toronto, Canada.
- Botteron, K., Dager, S., Elison, J. T., **Estes, A.M.** et.al., (2014, October) *Early Brain Development in High-Risk Infant Samples: Background, Development, and Recent Findings From the ACE-Infant Brain Imaging Study (IBIS)* Symposium presentation at the American Academy of Child & Adolescent Psychiatry Annual Meeting, San Diego, CA.
- Brock, C., **Estes, A.**, Sterling, L., & Munson, J. (2010, May). *Associated Psychiatric Conditions, Problem Behavior and Adaptive Functioning in Adolescents with ASD*. Poster presented at the International Meeting for Autism Research, Philadelphia, PA.

- Bryan, M.W., **Estes, A.**, & Dager, S.R., (2010, May). *Longitudinal Study of Repetitive Behavior and Volumes of the Caudate and Thalamus in Children with Autism Spectrum Disorder Between 3 and 9 Years of Age*. Poster presented at the International Meeting for Autism Research, Philadelphia, PA.
- Burner, K., Sterling, L., Munson, J., **Estes, A.**, Dawson, G., Webb, S. (2014, May) *A longitudinal study of emotion processing in ASD and the relation with other clinical symptoms*. Oral Presentation at the International Meeting for Autism Research, Atlanta, GA.
- Burner, K., Venema, K.J., Jones, E., **Estes, A.**, King, B., & Webb, S.J. (2010, May). *Examining Temperament in a Longitudinal Study of High-Risk Infants for ASD*. Poster presented at the International Meeting for Autism Research, Philadelphia, PA.
- Cali, P.W., **Estes, A.**, St. John, T., Munson, J. & Dawson, G. (2011, May). *Spatial working memory and patterns of academic achievement in 9-year-old children with ASD*. Poster presented at the International Meeting for Autism Research, San Diego, CA.
- Coffey-Corina, S., Padden, D., Estes, A., & Kuhl, P.K. (2011, May). *ERPs to Words In Toddlers with ASD Predict Behavioral Measures at 6 Years of Age*. Poster presented at the annual meeting of the International Meeting for Autism Research, San Diego, CA
- Corrigan, N.M., Olson, M., Richards, T., Shaw, D.W.W., Estes, A., Posse, S., Dager, S.R., (2012, May). *Brain chemical concentrations in autism spectrum disorder at 6, 12, and 24 months as measured with magnetic resonance spectroscopic imaging*. International Society for Magnetic Resonance Medicine, Melbourne, Australia.
- Dawson, G., Munson, J., **Estes, A.**, & Abbot, R. (2003, April). *Early neurocognitive predictors of outcomes in autism*. Poster session presented at the Society for Research on Child Development.
- Dawson, G., Webb, S., **Estes, A.**, Munson, J., & Faja, S. (2005). *Neurophysiological and behavioral evidence of social impairments in relatives of children with autism*. Paper presented at the annual meeting of the NIH Collaborative Program of Excellence and START programs, Bethesda, MD.
- Dawson, G., Webb, S., Wijsman, E., Schellenberg, G., **Estes, A.**, Munson, J., & Faja, S. (2005, April). *Face processing is altered in parents of children with autism: Neurocognitive and neurophysiological evidence*. Poster session presented at the biennial meeting of the Society for Research on Child Development, Atlanta, GA.
- DePolo, L., Parish-Morris, J., McCleery, J., Bateman, L., Thomas, S., Paterson, S. J., Pandey, J., Kostopoulos, P., **Estes, A.**, Botteron, K. N., Hazlett, H. C., Zwaigenbaum, L., Piven, J., and Schultz, R. T., *Say What?: Toddlers' Vocabulary Growth Trajectories Differ By Word Features* (2015, May). Poster presentation at the International Meeting for Autism Research, Salt Lake City, UT.
- Elder, L., **Estes, A.**, Rogers, S., & Zebrowski, S. (2011, May). *Characterizing Parent-Child Interaction in Young Children with ASD Background*. Poster presented at the International Meeting for Autism Research, San Diego, CA.
- Elder, L., **Estes, A.**, Dawson, G., & Munson, J. (2008, May). *Community intervention for autism (1998-2003): Did we meet the guidelines?* Presented at the International Meeting for Autism Research. London, England.
- Elder, L., **Estes, A.**, Munson, J., & King, B. (2009, May). *Patterns of Psychotropic Medication Use in Children with Autism Spectrum Disorders*. Presented at the International Meeting for Autism Research, Chicago, IL. Elison, J. T., Gu, H.,

- Evans, A., Wolff, J.J., Botteron, K., Dager, S., **Estes, A.M.** et.al. (2014, October) *Toward Strategic Prevention: Identifying Neural Markers that Predict the Later Emergence of Autism* Symposium presentation at the American Academy of Child & Adolescent Psychiatry Annual Meeting, San Diego, CA.
- Estes, A.**, (2015, May). *Community Intervention-As-Usual through the lense of the RCT*. Presentation at the International Society for Autism Research Annual Meeting Special Interest Group on Community Intervention, Salt Lake City, UT.
- Estes, A.M.** (2015, February) *Diagnostic Stability in Autism Spectrum Disorders*. Psychiatric Research Society meeting. Park City, UT.
- Estes, A.**, Rogers, SJ, Greenson, J., Munson, J. Winter, J., Dawson G. (2015, May) *Long-term outcomes of early intervention in 6-year-old children with autism*, Poster presentation at the International Society for Autism Research Annual Meeting, Salt Lake City, UT.
- Estes, A.**, and the IBIS network (2014, October). *Early signs of autism: What can we see, when can we see it, and what can we do?* Presentation at the American Academy of Child and Adolescent Psychiatry, San Diego, CA.
- Estes, A.**, Vismara, L., Fitzpatrick, A., Winter, J., Greenson, J., Rocha, M., Dawson, G..., Lord, C., Rogers, S. (2013, May). *Effects of parent and therapist-delivered intervention for toddlers with autism on parent stress and sense of competence: A multi-site, randomized trial*. Poster presented at the Autism Speaks Toddler Treatment Network Annual Meeting, San Sebastian, Spain.
- Estes, A.**, Vismara, L., Fitzpatrick, A., Winter, J., Greenson, J., Rocha, M., Dawson, G..., Lord, C., Rogers, S. (2013, May). *Effects of parent and therapist-delivered intervention for toddlers with autism on parent stress and sense of competence: A multi-site, randomized trial*. Poster presented at International Society for Autism Research Annual Meeting, San Sebastian, Spain.
- Estes, A.**, (2013, April). Chair of symposium entitled *Towards a multidisciplinary understanding of clinical expression in autism spectrum disorders*. Society for Research on Child Development Biannual Meeting, Seattle, WA.
- Estes, A.**, (2013, April). *Investigating contributors to associated psychiatric conditions in adolescents with ASD*. Presented as part of symposium at Society for Research on Child Development Biannual Meeting, Seattle, WA.
- Estes, A.** (2013, March). *Biological and clinical moderators of outcome in developmental disorders*. Presentation at the European Winter Conference on Brain Research, Brides les Bains, France.
- Estes, A.** (2013, February). *Longitudinal outcomes in early autism intervention*. Presentation at the Psychiatric Research Society, Park City, UT.
- Estes, A.**, and the IBIS network (2012, February). *Prospective characterization of behavior in infants at high-risk for autism: findings from a multi-site imaging study*. Presentation at the Psychiatric Research Society, Park City, UT.
- Estes, A.**, Paterson, S., Gu, H., Zwaigenbaum, L., & Piven J. (2011, May). *Prospective characterization of behavior in high-risk infant sibs: preliminary data at 6 and 12 months of age*. Presentation as part of a scientific panel "Infants at high-risk for Autism: Findings from the Infant Brain Imaging Study (IBIS)" at the International Meeting for Autism Research, San Diego, CA.
- Estes, A.**, Tsui, L., Munson, J., Antovich, D., King, B., & Dawson, G. (2011, May). *Cortisol levels in adolescents with ASD and typical development*. Poster presented at the International Meeting for Autism Research, San Diego, CA.



- Estes, A.** (2011). *Cortisol levels in adolescents with ASD and typical development*. Paper presented at the Psychiatric Research Society, Park City, UT.
- Estes, A.** (2010). *Development in infants at high-risk for autism: preliminary findings from a longitudinal behavioral and neuroimaging study*. Presentation at the Psychiatric Research Society, Park City, UT.
- Estes, A., Alvarez, S., Dupont, E., Burner, K., Kelly, J., Dawson, G., Munson, J., King, B., & Webb, S.** (2010, May). *Stress in parents of 6-month-old infants with older siblings with autism spectrum disorders*. Poster presented at the International Meeting for Autism Research, Philadelphia, PA.
- Estes, A., & Cauce, A.M.** (1995). *The work/family interface: Maternal working environments and adolescent well-being in African American families*. Poster presented at convention of the Association for the Advancement of Behavior Therapy, Washington D.C.
- Estes, A., & Dager, S.** (2007, February). *Basal ganglia morphometry and repetitive behavior in young children with autism*. Presented at the Psychiatric Research Society meeting, Park City, Utah.
- Estes, A., & Dager, S.** (2008, February). *Basal ganglia and repetitive behavior changes in young children with autism*. Presented at the Psychiatric Research Society meeting, Park City, Utah.
- Estes, A., & Dager, S.** (2008, May). *Repetitive behavior, basal ganglia and thalamic changes in 3 and 6 year old children with autism*. Presented at the International Meeting for Autism Research. London, England.
- Estes, A., Dawson, G., Munson, J., Varley, J., Brigham, R., Sterling, L., & Elder, L.** (2007, April). *Further validation of a quantitative scale for assessing broader autism phenotype*. Poster presented at the Society for Research on Child Development, Boston, Massachusetts.
- Estes, A., Koehler, E., & Dawson, G.** (2006, May). *Stress in parents of preschool-aged children with autism, developmental delay, and typical development*. Presented at the annual International Meeting for Autism Research, Montreal, Quebec.
- Estes, A., McMahon, R.J., Mason, C., & Conduct Problems Prevention Research Group (CPPRG)** (1994). *Psychometric properties of the coder impressions inventory*. Poster presented at convention of the Association for the Advancement of Behavior Therapy, San Diego, CA.
- Estes, A., Munson, J., Clary, L., Abbott, R., & Dawson, G.** (2005, April). *Presence of a broader phenotype of autism in siblings from multiplex autism families*. Poster presented at the biennial meeting of the Society for Research on Child Development, Atlanta, GA.
- Faja, S., Bernier, R., Sullivan, K., **Estes, A., Dawson, G.,** (2013, April) *Neurocognitive underpinnings of pretend play in preschoolers with autism spectrum disorders*. Poster presented at Society for Research on Child Development Biannual Meeting, Seattle, WA.
- Greenson, J., **Estes, A.,** Munson, J., Guralnick, M., Tsui, L., Dawson, G. (2011). Peer competence in preschool-aged children with autism spectrum disorders. Poster presented at the Society for Research on Child Development, Montreal, CA.
- Huang S, Pauley G, Neuhaus E, Richards T., Neva M. Corrigan, Dennis W. Shaw, Artuu A, **Estes A,** Dager SR, Kleinhans NM (2013, May). *Developmental differences in the uncinata fasciculus vary by sex in autism spectrum disorders*. Presented at International Society for Autism Research Annual Meeting, San Sebastian, Spain.

- Kauper, S., Souders, M., Paterson, S., and the IBIS network. (2012, May). *Sleep behaviors in infants at high and low risk for developing autism spectrum disorders* Presentation at the International Meeting for Autism Research, Toronto, Canada.
- Kleinhans, N., Madhyastha, T., Reiter, M. A., **Estes, A. M.**, Shaw, D. W., Grabowski, T. J., and Dager, S. R., (2015, May) *Dynamic Systems Imaging in Adolescents with ASD of Lower and Higher Cognitive Ability*. Presented at International Society for Autism Research Annual Meeting, Salt Lake City, UT.
- Lewis, J.D., Evans, A. C., Pruett, J. R., Botteron, K. N., Zwaigenbaum, L., **Estes, A. M.**, Gerig, G., Collins, D. L., Kostopoulos, P., McKinstry, R. C., Dager, S., Paterson, S. J., Schultz, R. T., Styner, M. A., Hazlett, H. C., Piven, J., and the IBIS network. (2014, May). *White matter inefficiencies in ASD at 24 months* Oral Presentation at the International Meeting for Autism Research, Atlanta, GA.
- Mandell, D., Cidav, Z., Munson, J., **Estes, A.**, Dawson, G. *The Cost Effectiveness of ESDM* (2014, May). Oral Presentation at the International Meeting for Autism Research, Atlanta, GA.
- Marrus, N., Hall, L., Paterson, S.J., Elison, J.T., Wolff, J.J., Pruett, J.R., Hazletter, H.C., **Estes, A.M.**, Piven, J., (May, 2014) *Language Impairment as an Endophenotype: A meta-analysis of infant sibling studies*. Poster Presentation at the International Meeting for Autism Research, Atlanta, GA.
- Pandey, J., Kauper, S., Paterson, S., and the IBIS network. (2013, May) *Adaptive functioning in toddlers with and without ASD: A comparison of two widely used measures*. Poster presented at the International Meeting for Autism Research, San Sebastian, Spain.
- Paterson, S., Wolff, J.J. Swanson, M.R., Elison, J.T., Zwaigenbaum, L., Estes, A., Botteron, K., Hazlett, H., Pandey, J., Schultz, R.T., Piven, J., for the IBIS Network. *The relationship between temperament and brain development in infant siblings with ASD* (2016, May). Presented at the International Meeting for Autism Research, Baltimore, MD.
- Paterson, S., and the IBIS Network. *Longitudinal Trajectories of Language Development in Infants and Toddlers with ASD* (2014, May). Oral Presentation at the International Meeting for Autism Research, Atlanta, GA.
- Paterson, S., Winder, B., **Estes, A.**, Gilman, C., Gu, H., and the IBIS network. *Patterns of temperament development in infants who develop ASD*. (2013, May) Presented at International Society for Autism Research Annual Meeting, San Sebastian, Spain
- Paterson, S., **Estes, A.**, Hazlett, H., Gu, H., Zwaigenbaum, L. (2011). Cognitive functioning in 6-month-old infants at risk for autism spectrum disorders. Presented at the Society for Research on Child Development, Montreal, CA.
- Rivera, V., **Estes, A.**, Munson, J., & Cali, P. (2009, May). *Problem Behavior, Social Functioning and Academic Achievement in School-Aged Children with An Autism Spectrum Disorder*. Presented at the International Meeting for Autism Research, Chicago, IL.
- Rodda, A., **Estes, A.**, Munson, J., (2015, May). *Parent-child mutual responsiveness and language development in young children with Autism Spectrum Disorder*. Poster presented at the International Meeting for Autism Research, Salt Lake City, UT.
- Rogers, S., **Estes, A.**, Lord, C., Lange, N., Munson, J., Dawson, G. (2014, May). *Randomized Multisite Replication of Early Start Denver Model Outcomes* Oral Presentation at the International Meeting for Autism Research, Atlanta, GA.
- St. John, T., **Estes, A. M.**, Alvarez, S. L., Dager, S., Paterson, S. J., Pandey, J., Schultz, R. T., Pruett, J. R., Botteron, K. N., Hazlett, H. C., and Piven, J. (2015, May) *Motor Development, Autism Symptoms, and Emerging Executive Functioning in Infants and*

- Toddlers at High and Low Risk for ASD*. Poster presentation at the International Meeting for Autism Research, Salt Lake City, UT.
- St. John, T., **Estes, A.**, and the IBIS network. *Piaget's A-not-B task in infants at high and low risk for ASD* (2012, May). Presentation at the International Meeting for Autism Research, Toronto, Canada.
- St. John, T., **Estes, A.**, & Munson, J. (2009, May). *Marital Adjustment, Social Support, and Parenting-Related Stress in Mothers and Fathers of Preschool-Aged Children with Autism*. Presented at the International Meeting for Autism Research, Chicago, IL.
- Steiman, M., **Estes, A.**, & Dawson, G. (2006, May). *The enhanced social interaction play scale (NSIPS): Measuring social abilities in children with autism spectrum disorders*. Poster presented at the International Meeting for Autism Research, Montreal, Quebec.
- Sterling, L., Dawson, G., Greenson, J., & **Estes, A.** (2006, May). *Factors associated with presence of depressive symptoms in adults with autism spectrum disorder*. Poster presented at the International Meeting for Autism Research, Montreal, Quebec.
- Sterling, L., **Estes, A.**, Dawson, G., & Munson, J. (2007, April). *The role of cognitive and adaptive functioning in the development of associated conditions in autism*. Poster presented at the Society for Research on Child Development, Boston, Massachusetts.
- Sterling, L., **Estes, A.**, Murias, M., Webb, S., Panagiotides, H., Munson, J., King, B., & Dawson, G. (2011, May). *Physiological characteristics associated with anxiety in adolescents with autism spectrum disorders*. Poster presented at the International Meeting for Autism Research, San Diego, CA.
- Toth, K., Dawson, G., Munson, J., **Estes, A.**, & Abbott, R. (2003, April). *Role of joint attention, social interaction and play in language and social growth in young children with autism*. Paper presented at the Society for Research on Child Development.
- Thomas, S., Juhi, P., Maldarelli, J.E., Chappell, C., Brown, L.T., **Estes, A. M.**, Zwaigenbaum, L., Schultz, R., Baranek, G.T., Piven, J., (2015, March) *Use of the First Year Inventory (FYI) with Children at High Risk for Autism Spectrum Disorders* poster presented at the Society for Research in Child Development 2015 Biennial Meeting, Philadelphia, Pennsylvania.
- Venema, K., Jones, E.J.H., Gleed, A., Elsabbagh, M., Johnson, M., **Estes, A.**, Dawson, G., & Webb, S.J. (2009, May). *Assessing visual attention in 6-month-old infants with increased ASD-risk: The question of reliability*. Presented at the International Meeting for Autism Research, Chicago, IL.
- Verma, R., Ghanbari, Y., Parker, W., Ingalhalikar, M., Styner, M. A., Gerig, G., Lewis, J. D., Pruett, J. R., **Estes, A. M.**, Evans, A. C., Das, S., Kostopoulos, P., Hazlett, H. C., Paterson, S. J., Pandey, J., Gu, H., Botteron, K. N., Dager, S., McKinsty, R. C., Schultz, R. T., Piven, J., and the IBIS network. (2014, May) *Atypical unfolding of early brain development in autism: A diffusion tensor imaging study of structural connectivity and white matter organization*. Oral Presentation at the International Meeting for Autism Research, Atlanta, GA.
- Winter, J., **Estes, A.**, Zargar, Z., Greenson, J., Rocha, M., Vismara, L., Fitzpatrick, A., Rogers, S. (2013, May). *Measuring sociodemographic risk in families of very young children receiving early autism intervention*. Poster presented at the International Meeting for Autism Research, San Sebastian, Spain.
- Wolff, JJ., Elison, JT, Swanson, MR, Gerig, G., Styner, MA, Botteron, KN, Dager, S.R., **Estes, A.M.**, Evans, AC, Hazlett, HC, Schultz, RT, Zwaigenbaum, L, Piven, J., &

- the IBIS Network (2015, May) *Exploring the neural correlates of repetitive behavior in babies with autism*, Presented at the International Meeting for Autism Research, Salt Lake City, Utah.
- Wolff, J.J. Elison, J. T., Hazlett, H. C., Pandey, J., Paterson, S. J., Botteron, K. N., **Estes, A. M.**, Zwaigenbaum, L., Piven, J., and The IBIS Network. (2014, May). *Emerging Patterns of Repetitive Behavior Linked to Clinical Outcomes in High-Risk Infant Siblings*. Oral Presentation at the International Meeting for Autism Research, Atlanta, GA.

### **NATIONAL AND INTERNATIONAL INVITATIONAL LECTURES**

- ORCAS Lecture – From Early Identification to Early Intervention* (2014, May) Oregon Health Sciences University, Portland, OR
- Overview of Major Behavioral Findings*. (2014, November) ACE Infant Brain Imaging Study (IBIS) Annual Meeting. Denver, CO.
- ACE Infant Brain Imaging Study Network Behavioral Training Workshop* (2012, 2008, 2007). Hosted two-day meetings and trained investigators in the use of behavioral assessments for 3, 6, 9, 12, 15, 24 and 36-month-old infants. UW Autism Center, Seattle, WA.
- Prospective characterization of behavior in infants at high-risk for autism: findings from a multi-site imaging study* (2012). Presentation at the European Winter Conference on Brain Research, Villars-sur-Ollon, Switzerland.
- Early intervention in ASD: Early Start Denver Model and parent-mediated intervention* (2011). Exploring Autism Research Collaboration between Japan and the United States Joint Academic Conference on Autism Spectrum Disorders, Tokyo, Japan.
- Innovations in early intervention for autism spectrum disorders: From genes to brain to behavior* (2009). Grand Rounds, Psychiatry Department, University of Vermont, Burlington, VT.
- Broader phenotype of autism symptom scale (BPASS; 2008)*. Workshop presented over two days at University of California Los Angeles and Autism Genetic Resource Exchange on using the BPASS in genetic research. Los Angeles, CA.
- Broader phenotype of autism symptom scale (BPASS; 2007)*. Workshop presented over two days at Massachusetts General Hospital to the Autism Consortium on using the BPASS in genetic research. Boston, MA.
- Broader phenotype of autism symptom scale (BPASS; 2007)*. Preconference workshop presented at International Meeting for Autism Research regarding use of BPASS in research, UW Autism Center, Seattle, WA.
- Chair of Symposium on Autism Phenotypes* (2007). International Meeting for Autism Research, Seattle, WA.
- Genetic risk for autism: Clinical implications* (2006). Presented at the Indo-US Conference on Autism, New Delhi, India.
- Broader phenotype of autism symptom scale (BPASS: 2004)*. Workshop presented over two days to invited NIH research scientists from the Collaborative Programs of Excellence in Autism network regarding use of BPASS in research, UW Autism Center, Seattle, WA
- Autism spectrum disorders* (2001). Workshop presented over two days on neurobiology, assessment, diagnosis, and treatment of autism spectrum disorders. Alaska Autism Institute, Anchorage, AK.

### **SELECTED LOCAL INVITATIONAL LECTURES**

*Early Identification and Intervention for Autism – Intermediate Level* (2015, October) presented at the (WSLHA) Washington Speech-Language Hearing Association Convention. Tacoma, WA.

*Autism Spectrum Disorder: When can we see it and what can we do?* (2015, April) Presentation for Autism Awareness month. Seattle Pacific University Seattle, WA.

*Language development in ASD and learning more about the DSM criteria to qualify kids for services* (2014, October) presented at the (WSLHA) Washington Speech-Language Hearing Association Convention. Tacoma, WA.

*Early signs of autism and effective intervention* (2014, September). Keynote address, Family Child Care Conference, Highline College, Des Moines, WA

*Early Intervention Research at UW Autism Center* (2013, January). In-service presentation for Boyer Children’s Center, Seattle, WA.

*Early Signs of autism* (2014, October). In-service presentation for Cooper house, Seattle, WA.

*Overview of Autism* (2014, November). Presentation for LEND program, University of Washington, Center on Human Development and Disability, Seattle, WA.

*Parent-delivered intervention in autism* (2013). Presentation for LEND program, University of Washington, Center on Human Development and Disability, Seattle, WA.

*Parent-delivered intervention in autism* (2012). Presentation to the Boyer Children’s Center staff, Seattle, WA.

*Prospective characterization of behavior in infants at high-risk for autism: findings from a multi-site imaging study* (2012). Presentation for LEND program, University of Washington, Center on Human Development and Disability, Seattle, WA.

*Prospective characterization of behavior in infants at high-risk for autism: findings from a multi-site imaging study* (2012). Presentation for rounds at Seattle Children’s Autism Center, Seattle, WA.

*Early autism identification and intervention* (2011). Washington State Birth to Three Autism Summit; Spokane, WA.

*Early autism intervention: Connecting science and practice* (2010). Seattle Pacific University. Seattle, WA.

*Innovations in Early Autism Intervention: From Genes, to the Brain, to Behavior* (2010). Autism Center, University of Washington. Seattle, WA.

*Innovations in early autism intervention: genes to brain to behavior* (2010). Seminars in Hearing and Communication Sciences, University of Washington, Seattle, WA.

*Research on early identification and intervention for autism spectrum disorders* (2009). UW Autism Center, Summer Intensive, University of Washington, Seattle, WA.

*Early intervention for autism spectrum disorders: Current research at the UW Autism Center* (2009). UCEDD/LEND Core Seminar, MCH Leadership Seminar, Center on Human Development and Disability, University of Washington, Seattle, WA.

*Early identification of autism spectrum disorders* (2008). UCEDD/LEND Core Seminar, MCH Leadership Seminar, Center on Human Development and Disability, University of Washington, Seattle, WA.

*Diagnosis and assessment of autism spectrum disorders* (2007). Training session presented to psychiatry residents at Children’s Hospital, Department of Psychiatry and Behavioral Science, Seattle, WA.

*Clinical manifestations of autism spectrum disorders* (2006). Presented at the Congress of Epidemiology, Seattle, WA.

*Diagnosis and assessment of autism spectrum disorders* (2004, 2005). Training session presented to psychiatry residents and staff, Lake City Way Outpatient Psychiatry Clinic, Department of Psychiatry and Behavioral Science, Seattle, WA.

*High functioning autism and Asperger's disorder* (2004). Presented at the annual Washington State Psychological Association fall conference, Seattle, WA.

*Autism in adolescents* (2003). University of Washington Summer Institute on Brain and Learning. Seattle, WA.

*Autism spectrum disorders* (2001). University of Washington Summer Institute on Brain and Learning. Seattle, WA.

*Observational methods, observer training, and reliability* (1996). Presented at the Meta-Emotions Research Lab, University of Washington, Seattle, WA.

*Observational methods and observer training* (1995). Presented at the Parenting Clinic research group University of Washington, Seattle, WA.