

ANNETTE MERCER ESTES

CURRICULUM VITAE

August, 2025

University of Washington
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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
- 2015-2023 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

Scientific Advisory Council, New Jersey Governor's Council for Medical Research and Treatment of Autism,

Autism 360 Faculty Lead

Autism Coalition of Tacoma, Advisory Committee Co-Chair

President, Psychiatric Research Society, 2015, member 2007- present

American Psychological Association member

Autism Speaks Toddler Treatment Network member

International Society for Autism Research member

Young Investigator Travel Award, Psychiatric Research Society

Academic Autism Spectrum Partnership in Research and Education Delphi Committee

Study Section Chair: Department of Defense CDMRP Autism Research Program

Study Section Reviewer: NIH SBIR Drug discovery for aging, neuropsychiatric and

neurologic disorders; Department of Defense CDMRP Autism Research Program;

Autism Speaks Treatment Grant Review Committee; New Jersey Governor's Council

for Medical Research and Treatment of Autism;

TEACHING RESPONSIBILITIES

Mentor: Postdoctoral Fellows

2021-2022 Lupita Santillan

2017-2022 Katherine MacDuffie, Ph.D.

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

Peer Relationships in School-Age Children with Autism: Concurrent and Longitudinal Predictors

Shanna Alvarez, Department of Education, University of Washington

Communication spontaneity in infants at high and low risk for autism spectrum disorders

Doctoral Committee Member

Hannah Barton, Department of Speech and Hearing Sciences, University of Washington

Marta Picoto, Department of Education, University of Washington

Adriana Luna, Department of Education, University of Washington

Robin Finlayson, Department of Education, University of Washington

Katelin Ann Hobson, Department of Education, University of Washington

Shannon Ludeman, Department of Education, University of Washington

Ashley Marie Penney, Department of Education, University of Washington

The Effects of a Group-Based Approach to Parent-Mediated Early Behavioral Intervention for Very Young Children with Autism

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

Lindsay Sterling, Department of Psychology, University of Washington

Behavioral and physiological characteristics associated with anxiety in adolescents with autism spectrum disorder

Kathryn Greenslade, Department of Speech and Hearing Sciences, University of Washington

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

Sean Gilmore, Department of Speech and Hearing Sciences, University of Washington

The Games They Play: Observations of Children with Autism Spectrum Disorder on the School Playground

Kelleen Dunley, Dept of Speech and Hearing Sciences, University of Washington

The relationship between joint attention and communication in ASD

Lindsay Williams, Dept of Speech and Hearing Sciences, University of Washington

Vocalization behavior during the Autism Observation Scale for Infants in siblings of children with autism spectrum disorders

Research Advisor

Pooja Manjuath, University of Washington, School of Public Health, TBD

Ember Reed, University of Puget Sound, Babble about ABA: Navigating underdetermination in public health.

Divya Puvvadi, University of Washington, School of Medicine, Screen use and sleep in autism.

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

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

Pari Mungalpara, Department of Psychology, University of Washington, Sleep problems and hippocampal development in autism

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

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

Department of Speech and Hearing Sciences: Autism spectrum disorders:
Assessment, diagnosis, intervention; Research on neurobiology of autism
Department of Psychology, selected topics: Autism Spectrum Disorders; Career and
Professional Development; Autism Research:
Department of Rehabilitation Medicine, Autism Spectrum Disorders
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:

07/01/24 – 06/30/29 The Infant Down Syndrome Brain and Behavior Study (PI: Marrus,
Washington University, St. Louis); NIH U01

The goal of this project is to develop biomarkers to target specific therapies at three time points: 6mo, 12mo, and 24mo. The study aims to: 1) Study the nature and evolution of alterations in infant brain development in DS; 2) Develop a predictive model to allow future early identification for tailored interventions; and 3) Examine potential neurodevelopmental correlates of our current community-based treatment.

07/01/24 – 06/30/29 The Infant Down Syndrome Brain and Behavior Study- Behavior Core (PI:Estes); NIH U01

The goal of this project is to develop biomarkers to target specific therapies at three time points: 6mo, 12mo, and 24mo. The study aims to: 1) Study the nature and evolution of alterations in infant brain development in DS; 2) Develop a predictive model to allow future early identification for tailored interventions; and 3) Examine potential neurodevelopmental correlates of our current community-based treatment.

07/15/23 – 05/31/28, Brain and behavior correlates of prenatal cannabis exposure R01
DA057559-01A1 (PI: Kleinhans)

The goal of this project is to study neurodevelopment in infants exposed in utero to cannabis, to clarify potential health risks, enabling pregnant people to make better informed choices surrounding cannabis use during pregnancy.

08/01/22-08/31/27, A Longitudinal Brain and Behavior Study of Autism from Infancy through Adolescence, R01 HD055741 (Piven Network PI, Dager Site PI, **Estes, UW Site Co-PI**)

This Autism Center of Excellence (ACE) Infant Brain Imaging Study (IBIS) Network includes four clinical data collection sites (UNC, UW, Penn, Wash U, and a Data Coordinating Center (MNI). This grant extends our prior IBIS Network project to study at-risk infants starting at age 3, 6, 9, 12, 15, 24 and 36+ months of age. This study will provide important, new information about the trajectory of early post-natal brain overgrowth, as measured on MRI and DTI, and its potential relationship to clinical features.

08/01/22-08/31/27, A Longitudinal Brain and Behavior Study of Autism from Infancy through Adolescence – Behavior Core, RO1 HD055741, (Piven Network PI, **Estes, UW Site PI**)

This project is a competing renewal of an Autism Center of Excellence (ACE) Network, the Infant Brain Imaging Study (IBIS). This project will continue to oversee the quality control of behavioral measures across sites. Dr. Estes provides leadership of the Behavioral Core that supports the main parent project by providing clinical and scientific leadership to ensure clinical procedures are consistently utilized across the network.

5/3/21 – 3/31/26 *Sleep, Brain Development, and Behavioral Correlates in a Longitudinal Cohort of Children at Risk for ASD*, R01 HD101578 (**Estes, Network PI**)

The goal of this project is to (1) characterize circadian disturbances, sleep duration, and other sleep parameters in the home using actigraphy, validated by sleep diary, and parent report of behavioral and medical sleep problems, (2) examine brain growth trajectories (from infancy) associated with sleep problems in school-age, and (3) examine the longitudinal behavioral and developmental trajectories and concurrent behavior associated with sleep problems in school-age.

04/25/18-06/30/28 Seattle Foundation Donor-Funded Initiative- *On-Time Autism Intervention project* (**Estes, Schwartz Co-PIs**)

The On-Time Autism Intervention (OTAI) project aims to decrease health care disparities in autism diagnosis and intervention in Washington State for young children in under resourced communities.

04/01/19 -01/31/26, *MRI Based Presymptomatic Prediction of ASD*, R01 MH118362 (Pruett PI, **Estes UW Co-I**)

The goal of this project is to develop a four-site imaging collaboration using fcMRI to study brain development in 6-month-old infants at high-risk for autism as part of the IBIS imaging network.

04/01/19-01/31/26, *MRI Based Presymptomatic Prediction of ASD Behavior Core*, R01 MH118362 (Pruett PI, **Estes UW PI**)

The goal of this project is to develop a four-site imaging collaboration using fcMRI to study brain development in 6-month-old infants at high-risk for autism as part of the IBIS imaging network.

Past:

- 07/01/24-06/30/25 *AS360 Resource Platform: Increasing Access to Recreation for Autistic Individuals Across Washington*
Washington State DSHS (**Estes PI**)
- 09/24/19-07/31/24, *Toward Scalable-Based Prediction of ASD in High-Risk Infants*, R01 MH121462 (**Jeste PI, Estes Co-I**)
- 09/20/18 - 08/31/23, *A Longitudinal MRI Study Characterizing Very Early Brain Development in Infants with Down Syndrome*, R01 HD 088125-01A1 (Botteron PI, **Estes UW Co-I**)
- 08/24/18-06/30/23, *Development and neural mechanisms of repetitive behavior and sensory responsivity in autism*, R01 MH116961 (Wolff PI, **Estes UW PI**)
- 09/07/17-07/31/22, *A Longitudinal Brain and Behavior Study of Autism from Infancy through School Age*, R01 HD055741 (Piven Network PI, Dager Site PI, **Estes, UW Site Co-PI**)
- 09/07/17-07/31/22, *A Longitudinal Brain and Behavior Study of Autism from Infancy through School Age – Behavior Core*, R01 HD05574, (Piven Network PI, **Estes, UW Site PI**)
- 9/30/16 - 8/31/21, *Investigating Air Pollution Effects on the Developing Brain and ASD (GeoCoding)*, R01ES026961 (Volk PI, **Estes, Co-I**)
- 09/16/18 – 09/15/20, *Neuroethics of Predictive MRI Testing: Parental Attitudes Towards Pre-Symptomatic Identification of Autism Spectrum Disorder* MacDuffie, F32 MH118689 BRAIN Initiative/Postdoctoral Fellowship, (MacDuffie, Fellow, Estes Mentor)
- 08/01/18 – 07/31/20, *Characterizing the brain and behavioral phenotype of school-aged children with Down syndrome*, R01 HD055741, (Piven PI, **Estes UW Co-I**)
- 02/01/14-01/31/19. *Eye Blink Conditioning in School-Aged Children with ASD*, 1R01 MH100881. (PI: Welsh; Co-PI, **Estes**)
- 04/01/13-3/30/19, *Intervention Effects of Intensity and Delivery Style for Toddlers with ASD*, R01 HD12196 (Rogers Network PI, **Estes, UW site PI**)
- 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**)
- 09/04/12-06/30/17, *A Longitudinal MRI Study of Infants at Risk for Autism – Behavioral Core*, R01 HD05574, (Piven Network PI, **Estes, UW Site PI**)
- 06/01/12-05/31/15, *Strengthening the effects of parent-delivered early intervention to improve symptoms of ASD*, Autism Speaks Foundation (**Estes, PI**)
- 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**)
- 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**)
- 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**)
- 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**)
- 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**)
- 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 Newschaeffer, network Co-PIs, Dager, UW site PI/**Estes**, co-investigator)

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

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)

08/01/07-07/31/12, *UW Autism Center of Excellence (ACE) Diagnostic and Assessment Core (Core A)*, NIH P50 HD055782, (**Estes**, PI)

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)

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)

03/01/09-02/28/12, *Investigation of the Link Between Early Brain Enlargement and Abnormal Functional Connectivity in Autism Spectrum Disorders*, Autism Speaks 3628 (Kleinhans PI; **Estes**, Co-investigator)

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)

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

- Aaronson B, **Estes A**, Rogers SJ, Dawson G, Bernier R. (2021). The Early Start Denver Model Intervention and Mu Rhythm Attenuation in Autism Spectrum Disorders. *J Autism Dev Disord*. doi: 10.1007/s10803-021-05190-7. PMID: 34309743.
- Anney, R., Klei, L., Pinto, D., Almeida, J., Bacchelli, E., Baird, G., Bolshakova, N., Bölte, S., Bolton, P.F., Bourgeron, T., Brennan, S., Brian, J., Casey, J., Conroy, J., Correia, C., Corsello, C., Crawford, E.L., de Jonge, M., 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*, 21(21), 4781-4792. 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. doi:10.1093/hmg/ddq307. (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. (PMC4867008)
- Azrak O, Garic D, Nasir A, Swanson MR, Grzadzinski RL, Al-Ali K, Shen MD, Girault JB, St John T, Pandey J, Zwaigenbaum L, **Estes AM**, Wolff JJ, Dager SR, Schultz RT, Evans AC, Elison JT, Yacoub E, Kim SH, McKinstry RC, Gerig G, Pruett JR Jr, Piven J, Botteron KN, Hazlett H, Marrus N, Styner MA. Early White Matter Microstructure Alterations in Infants with Down Syndrome. medRxiv [Preprint].

- 2025 Feb 27:2025.02.26.25322913. doi: 10.1101/2025.02.26.25322913. PMID: 40061339; PMCID: PMC11888504.
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- Brown, H., Swain, D., Kim, HW, Rogers, S., **Estes, A.**, Kasari, C., Lord, C., Kim, SH (2025). Examining variability in naturalistic developmental behavioral intervention strategy use in caregivers of children with autism spectrum disorders. *The Journal of Child Psychology and Psychiatry*, 66(1):4-15 DOI: 10.1111/jcpp.13994
- Brune, C.W., Korvatska, E., Allen-Brady, K., Cook, E.H., Dawson, G., Devlin, B., **Estes, A.**, Hennelly, M., Hyman, S.L., McMahon, W.M., Munson, J., Rodier, P.M., Schellenberg, G.D., Stodgell, C.J., & 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)
- Burrows CA, Grzadzinski RL, Donovan K, Stallworthy IC, Rutsohn J, St John T, Marrus N, Parish-Morris J, MacIntyre L, Hampton J, Pandey J, Shen MD, Botteron KN, **Estes AM**, Dager SR, Hazlett HC, Pruett JR Jr, Schultz RT, Zwaigenbaum L, Truong KN, Piven J, Elison JT. A Data-Driven Approach in an Unbiased Sample Reveals Equivalent Sex Ratio of Autism Spectrum Disorder-Associated Impairment in Early Childhood. *Biol Psychiatry*. 2022 Oct 15;92(8):654-662. doi: 10.1016/j.biopsych.2022.05.027. Epub 2022 Jun 7. PubMed PMID: 35965107; PubMed Central PMCID: PMC10062179.
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- W.H., Brkanac, Z. (2012). Evidence for involvement of GNB1L in autism. *American Journal of Medical Genetics Part B (Neuropsychiatric Genetics)*, 159B (1), 61-71. doi:10.1002/ajmg.b.32002 (PMC3270696)
- Cidav, Z., Munson, J., **Estes, A.**, Dawson, G., Rogers, S., Mandell, D. (2017). Cost offset associated with Early Start Denver model for children with autism. *Journal of the American Academy of Child & Adolescent Psychiatry*. Sept; 56(9):777-783 doi: 10.1016/j.jaac.2017.06.007
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B: Book Chapters

- Talbott, M. R.**, Estes, A., Zierhut, C., Dawson, G., & Rogers, S. J. (2016). The Early Start Denver Model. In R. Lang, T. Hancock, & N. N. Singh (Eds.), *Early Intervention for Young Children with Autism Spectrum Disorders* (113 – 149). Switzerland: Springer International Publishing.
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C: Other Publications

- Penney, A., & **Estes, A.** (2015, July 29). The Value of Getting to Know Your Child's School Support Team. *Autism Parenting Magazine*, 18-21.
- Estes, A.**, Bernier, R., & Dawson, G. (2004). *Broader Phenotype Autism Symptom Scale; Reliability Manual*. Unpublished Manuscript, UW Autism Center Research Program, Seattle, WA.
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- Estes, A.** (1992). *Lead Observer's Manual*. Unpublished Manuscript, FAST Track Project, Seattle, WA.
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- 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

E: Selected 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, SR., (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, SJ. (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.
- Davis E, Borda A, Botteron KN, Dager SR, Hazlett HC, Marrus N, Pandey J, Pruett JR Jr, Schultz RT, St. John T, Zwaigenbaum L, Piven J, the IBIS Network, **Estes A***. Relationship of Sleep Problems to Puberty in Autism in School-Aged Children. Accepted for presentation at the International Society for Autism Research Annual Meeting; 2024 May 15-18; Melbourne, Australia.
- Davis E, Botteron KN, Dager SR, Hazlett HC, Marrus N, Munson J, Pandey J, Pruett JR Jr, Schultz RT, St. John T, Zwaigenbaum L, Piven J, the IBIS Network, **Estes A***. The Relationship of Objectively Measured Sleep to Puberty in School-Age Children with Familial Autism. Accepted for presentation at the Associated Professional Sleep Societies Annual Meeting (SLEEP); 2024 June 1-5; Houston, TX.
- 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.**, Dager SR, St. John T, Piven J, Hazlett HC, Schultz RT, Botteron K, Zwaigenbaum L, Pandey J, Evans A, Styner M, Hyung S, McKinstry R, Collins L (2024, July). *Sleep and the Developmental Progression of Autism*. Presentation and Symposium at the International Congress on Infant Studies. Glasgow, Scotland.
- Estes, A.**, Hanson, D., Peixoto, L., (2024, Feb). *Sex differences in Insomnia in Autism*. Presentation at the Psychiatric Research Society, Park City, UT.
- Estes, A.** et al., (2019, May). *Sleep Problems, Brain Development, and ASD Risk in the First Two Years of Life*. Poster presentation at the INSAR 2019 Annual Meeting, Palais des congres de Montreal, Montreal, Canada.
- 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.**, (2017, February). *Peer Relationships in Younger Siblings of Children with ASD*. Presentation at the Psychiatric Research Society, Park City, UT.
- Estes, A., and the IBIS network** (2017, May). *Preschool Peer Relationships in Younger Siblings of Children with ASD*. Presentation at the International Meeting for Autism Research, San Francisco, CA.
- 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.
- Greenon, 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 N.M. (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.
- Jakobovits, R., Aaronson, B., **Estes, A.**, Bocirnea, C. (2017, May). *Data Collection and Token Management System for Group-Based Therapy*. Presentation for the Innovative Technologies Demonstration Session at the International Meeting for Autism Research, San Francisco, CA.
- 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.
- MacDuffie, K. Estes, A., et al. (2019, May). *Family Response to Autism Recurrence Risk: Implications for Early MRI Prediction*. Poster presentation at the INSAR 2019 Annual Meeting, Palais des congrès de Montreal, Montreal, Canada.
- 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. et al. (2019, May). *Evidence for an Infant Construct of Social Motivation and Predictive Validity for Autism Spectrum Disorder*. Poster presentation at the INSAR 2019 Annual Meeting, Palais des congrès de Montréal, Montréal, Canada.
- 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.
- McDaniel, J., **Estes, A.**, Rogers, S. (2017, May). *Child Reciprocal Vocal Contingency Measure Using Automated Vocal Analysis with Children with Autism Spectrum Disorder*. Poster Presentation at the International Meeting for Autism Research, San Francisco, CA.
- McNeilly, H., Swanson, M.R., Parish-Morris, J., Rehg, J., Clements, M., Botteron, K., Hazlett, H., **Estes, A.**, Piven, J. (2017, April). *Meaningful Language Experiences in First Year of Life: Adult-Infant Talk is Positively Associated with Emerging Language Skills*. Conference presentation at the Society for Research in Child Development, Austin, TX.
- Migliaccio, J., Parish-Morris, J., Plate, S., Bateman, L., Wood, J., Slomowitz, R., Maldarelli, R., Pandey, J., Swanson, M., Paterson, S., Marrus, N., **Estes, A.**, Hazlett, H., Zwaigenbaum, L., Botteron, K., Dager, S., Piven, J., Schultz, R.T., and the IBIS Network. (2017, May). *When High-Risk 2-Year Olds Without ASD Talk the Most*. Presented at the International Meeting for Autism Research, San Francisco, CA.
- 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.
- Penney, A., **Estes, A.**, Schwartz, I., Greenson, J. (2022). *Early Autism Project ECHO: Bridging the Collaboration Gap Between Behavior Analysts and Part C Providers*. Presented at ABAI Annual Autism Conference, Seattle, WA.
- Plate, S., Parish-Morris, J., Migliaccio, J., Bateman, L., Wood, J., Slomowitz, R., Maldarelli, J., Paterson, S., Pandey, J., Marrus, N., **Estes, A.**, Hazlett, H., Zwaigenbaum, L., Botteron, K., Dager, S., Piven, J., Schultz, R.T., and the IBIS Network (2017, May). *Positive and Negative Affective Vocalizations in 2-Year Olds with ASD*. Presented at the International Meeting for Autism Research, San Francisco, 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.** (2017, May). *Parent-Child Interaction and Peer Relationships in School-Age Children with ASD*. Poster presentation at the International Meeting for Autism Research, San Francisco, CA.
- 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.
- Rogers, S., Senturk, D., Whelan, F., **Estes, A.**, Munson, J., Talbott, M.R., Vismara, L., Rocha, M.L., (2017, May). **No Title – PATH SUBMISSION**. Presented at the International Meeting for Autism Research, San Francisco, CA.
- St. John, T., **Estes, A. M.**, Alvarez, S. L., Dager, S., Paterson, S. J., Pandey, J., Schultz, R. T., Pruet, 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.
- Swanson, M.R., Piven, J., Paterson, S., Marrus, N., Shen, M.D., Emerson, R., Elison, J., Wolff, J., Hazlett, H.C., Botteron, K., Schultz, R., Zwaigenbaum, L., **Estes, A.**, (2017, May). *Language Development in High-Familial Risk Infants Who Go on to Have Autism or Language Delay*. Oral presentation at the International Meeting for Autism Research, San Francisco, 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., Ingahalikar, 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., McKinstry, 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, J.J., Elison, J.T., Swanson, M.R., Gerig, G., Styner, M.A., Botteron, K.N., Dager, S.R., **Estes, A.M.**, Evans, A.C., Hazlett, H.C., Schultz, R.T., 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

- Sleep, Brain, and the Developmental Progression of Autism*, Department of Psychiatry and Behavioral Science, Texas A&M University Health Center, Houston, TX, Departmental Grand Rounds, November 16, 2023
- Early identification of autism spectrum disorders: Ethical considerations and treatment implications*. Grand Rounds. Marcus Autism Center, Emory University, March 11, 2022.
- Sleep in Autism Spectrum Disorders*. Presented to the Family Sleep Institute, December 8, 2021
- Building an evidence base for autism intervention: ESDM Trial and Tribulations*. Grand Rounds. Oregon Health Sciences University, Portland, OR, September 26, 2021
- Characterizing Longitudinal Trajectories of Sleep Development in ASD: Current Challenges and Potential Solutions*. Presentation at the SFARI (Simons Foundation) Sleep Workshop, June 25 and June 29, 2021

Early Brain and Behavioral Development in Autism Spectrum Disorders: Implications for Intervention and Clinical Outcomes. Keynote, ABAI-Autism, Seattle, WA, February, 2021

Early identification of autism spectrum disorders: Ethical considerations and treatment NADD 35th Annual Conference Keynote Address- *Brain, Behavior, and Development in Young Children with Autism: What we are learning and where we are going* (November 1, 2018). Seattle, WA

International Conference on Current Advances in Autism Research and Treatment- Hot Topics in Autism Research: Intervention Science. (2018, April 6-8) Peking University, Institute of Mental Health and Sixth Hospital, Beijing, China

Brain Development in Autism Spectrum Disorders: Implications for Behavioral and Clinical Outcomes. (2018, April 11) Tsinghua University, Beijing, China

Continuing Education and Grand Rounds, Early Development in Autism Spectrum Disorders (2018, April 10). Baodi Hospital, Baodi Clinical College of Tianjin Medical University, Tianjin, China

National Zero to Three Conference. Autism Spectrum Disorders: Implications for Behavioral and Clinical Outcomes, Symposium presentation. (November 2017) San Diego, CA

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

Brain and Behavioral Development in Autism Spectrum Disorder: Implications for Clinical Outcomes (2017, December) Seminars In Hearing and Communication Sciences, University of Washington, Seattle, WA.

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.