

SARA JANE WEBB, PH.D.
CURRICULUM VITAE

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EDUCATION

1996: B.A. Yale University
Psychology, *with distinction*
2001: Ph.D. Institute of Child Development, University of Minnesota
Child Psychology, minor in Cognitive Neuroscience

PREDOCTORAL & POSTGRADUATE TRAINING

2001 Visiting Scholar, Beckman Institute for Advanced Science and the U. Illinois
2001 Postdoctoral Fellow & Research Scientist, Center on Human Development and
Disability, U. Washington

POSITIONS

2003-2008 Director, U. Washington Autism Center Psychophysiology Lab
2004-2010 Research Assistant Professor, Department of Psychiatry and Behavioral Sciences, U.
Washington
2004+ Research Affiliate, Center on Human Development and Disability, U. Washington
2009+ Co-Director, UW Psychophysiology and Behavioral Systems Lab
2009+ Adjunct Research Assistant Professor, Department of Psychology, U. Washington
2009+ Research Affiliate, Center for Integrative Brain Research (CIBR), Seattle Children's
Research Institute
2010, July Associate Professor, Department of Psychiatry and Behavioral Sciences, U.
Washington
+ Current

HONORS

1998 Eva O'Miller Fellowship, Alternate, U. Minnesota
1998, 2000 Traveling Fellowship, Carnegie Mellon Symposium on Cognition
1999 Dissertation Grant, Institute of Child Development, U. Minnesota
1999 Turtle Award for Outstanding Graduate Research, The Center for Cognitive Science,
U. Minnesota
2002 Merck Summer Institute Fellow, Biology of Developmental Disabilities, Cold Springs
Harbor Laboratory
2004 NIH Clinical Research Loan Repayment Program Award Recipient
2005 John Merck Scholars Program Candidate in Cognitive Science, U. Washington

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PROFESSIONAL AFFILIATIONS

1997+ Society for Cognitive Neuroscience
2003+ Northwest Association for Biomedical Research
2004+ International Society for Autism Research
2004+ Society for Psychophysiology Research
+ *Current*

TEACHING

1998 Fall Introduction to Child Psychology, U. Minnesota, Teaching Apprentice
1999 Win Advance Cognitive Development, U. Minnesota, Teaching Assistant
1999 Sum Infancy, U. Minnesota, Co-Instructor
1999 Fall Introduction to Child Psychology, U. Minnesota, Instructor
2000 Spr Infancy, U. Minnesota, Teaching Assistant
2000 Fall Developmental Psychology, Macalester College, Instructor
2005 Fall Society for Neuroscience Neurobiology of Disease Workshop, Instructor
2006+ Spring Human Biology 532, U. Washington Medical School, Lecturer
2004,2007 Fall U. Washington Psychology Honors Program, Lecturer
2006+ Monthly U. Washington Autism Research Journal Club, Founder & Coordinator
2007+ Winter Psychophysiology Workshop, U. Washington, Instructor
2008+ Spring Neurobiology 559, U. Washington, Lecturer
2008+ Fall Professional Development Workshop, U. Washington, Founder
2009+ Quarterly U. Washington Autism Seminar Series, Founder & Coordinator
+ *Current*

TRAINEE MENTORSHIP

GRADUATE & POSTDOCTORAL FELLOWS

2007+ Emily Jones Postdoctoral Fellow, U. Washington
2009 Susan Faja PhD, Clinical Psychology, U. Washington
2009 Guy Jensen Medical Student, *Prize for outstanding research contribution, Pediatric Society*
Praneeta Bremjit Medical Student
c/o 2010 Lindsey Sterling *expected* PhD, Clinical Psychology, U. Washington
2010 Amy Thomas Medical Student
2010 Daniel Meza Medical Student
c/o 2011 Karen Burner *expected* PhD, Clinical Psychology, U. Washington
+ *Current*

UNDERGRADUATE HONORS STUDENTS

2006 Jessica Namkung Psychology, U. Washington
2007 Audrey Quinn Neurobiology, U. Washington; *Mary Gates Scholar*
2008 Dana Kamara Psychology, U. Washington; *Mary Gates Scholar, Gutherie Prize for outstanding writing*
2010 Ashlie Danies Psychology, U. Washington; *Presidential Scholar; Amgen*

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Allied Disciplines (2008); Journal of Cognitive Neuroscience (2005; 2008); Journal of Developmental & Behavioral Pediatrics (2010); Journal of Experimental Child Psychology (2003); Journal of Child Neurology (2008); Journal of Neurodevelopmental Disorders (2009); Pediatrics (2004); Social, Cognitive and Affective Neuroscience (2009); Trends in Cognitive Science (2006).

2003+ Ad Hoc Grant Review: Autism Speaks (2006-08); Cure Autism Now (2003); ESRC Research Grants Board, UK (2005); National Alliance for Autism Research (2003); National Science Foundation (2006); NIH Autism ARRA (2009); NIH Bio-behavioral and Behavioral Processes Committee (2004; 2009); NIH SBIR Developmental Disabilities, Communication and Science Education Committee (2006; 2008; 2009); U.S. Civilian Research & Development Foundation (2006); University of Washington Royal Research Fund (2005, 2010).

+ *Current*

RESEARCH SUPPORT

PENDING

NIH R01 HD064820, Webb (PI)

7/10-6/15

Physiology of attention and regulation in children with ASD

Goals: This study examines the relations between attention and social communication skills between 9 and 48 months of age.

Role: PI

Autism Speaks 6061, Webb (PI)

7/10-6/13

Social Processing, Language, and Executive Functioning in Twin Pairs: Electrophysiological and Behavioral Endophenotypes.

Goals: This study will examine the heritability of behaviors in three domains affected in autism in MZ twins with ASD or typical development.

Role: PI

ONGOING

NIH P50 HD055782: UW Autism Center of Excellence, King (PI)

7/07-6/12

Project II, Early detection and intervention in infants at risk for autism, Webb (PI)

Goals: To identify neurophysiological risk indices for ASD in high-risk infants and to assess whether it is possible to alter these risk processes via early intervention.

Role: PI

NIH P50 HD055782: UW Autism Center of Excellence, King (PI)

7/07-6/12

Project I, Genetic contributions to endophenotypes of autism, Wijsman/Schellenberg (PIs)

Goals: To identify biological risk indices (including electrophysiological endophenotypes) for autism and autism related symptoms and the identification of autism susceptibility genes.

Role: Co-Investigator

Autism Speaks Mentors' Program, Postdoctoral Fellowship, Webb/Murias (PI) 3/08-2/10

Title: The use of ERPs to investigate outcome in children with autism

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Goals: Provide training to postdoctoral fellow (Emily Jones) to develop skills in analysis of ERP data and longitudinal data sets and to develop ability to conduct ERP and clinical research program.

Role: PI/Mentor

NIH R03 Shared Neurobiology of Autism and Fragile X, Webb (PI) 3/08-2/11

Title: What the eyes can tell you. Eye gaze processing in Fragile X Syndrome and Autism Spectrum Disorders

Goals: To investigate the shared phenotype of eye gaze avoidance in Autism and Fragile X through the use of ERPs and behavioral tasks.

Role: PI

NIH R01, Constantino (PI) 11/08-10/13

Title: Autistic Traits: Life course and genetic structure

Goals: Washington University investigators are seeking to determine the specific patterns of familiar aggregation of quantitative traits, advance understanding of the longitudinal course of quantitative traits, enrich the quantitative characterization of probands and siblings and expand on a subsample of genotypes AGRE subjects.

Role: Consultant

Autism Science Foundation, Predoctoral Fellowship, Webb 6/10-5/11

Title: Observational and electrophysiological assessments of temperament in infants at-risk for ASD.

Goals: Provide training to predoctoral fellow (Karen Burner) to develop skills in the analysis of EEG and observational data of infant temperament and its relation to symptom onset in young children at risk for ASD.

Role: PI/Mentor

University of Washington Medical School, Developmental Disabilities Project, Webb (PI) 6/10-9/10

Title: Psychopharmacology in Autism

Goal: Provide training to 2nd year medical student (Daniel Meza) in psychopharmacology and autism.

Role: PI/Mentor

University of Washington Medical School, Developmental Disabilities Project, Webb (PI) 6/10-9/10

Title: Investigating the presence of language endophenotypes in families of autistic children.

Goal: Provide training to 2nd year medical student (Amy Thompson) in assessment of language ability in parents of children with autism.

Role: PI/Mentor

COMPLETED

NIH 5-P30 ES007033-14, Eaton (PI) 4/08-3/10

Title: Infant exposure to plasticizers as potential contributors to autism spectrum disorders

Goal: To collect baseline urine levels of BPA/phthalates at 6 months from a sample of infant siblings of children with autism. Chemical levels will be correlated with measures of IQ and autism

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related symptoms.

Role: Co-Investigator

Autism Speaks Mentors' Program, Predoctoral Fellowship, Murias/Webb (PI) 3/08-2/10

Title: Psychophysiology in children with autism

Goals: Provide training to predoctoral fellow (Lindsey Sterling) to develop skills the use of skin conductance and eye-blink startle to assess physiological responses in children with autism and their relation to the development of associated conditions.

Role: Mentor

Washington State Legislative Initiative: Developmental Disabilities Project, Webb (PI) 6/09-9/09

Title: Does atypical head growth predict autism symptoms and severity?

Role: PI/Mentor

Washington State Legislative Initiative: Developmental Disabilities Project, Webb (PI) 6/09-9/09

Title: Electrophysiological risk markers in infant at risk for autism

Role: PI/Mentor

NIMH U54MH066399 Dawson/Aylward (PI)

7/03-6/09

Title: UW STAART Center, Center of Excellence

Project 1-- Early characteristics and intervention in autism

Project 4 --Electrophysiology and fMRI studies of social cognition in autism.

Role: Director, UW Autism Center Psychophysiology Lab

National Alliance for Autism Research, Webb (PI)

7/05-6/08

Title: Linking Cerebellar Pathology to Functioning in Individuals with Autism: Implications for Translational Research

Role: PI

Cure Autism Now, Young Investigator's Award, Webb (PI)

7/03-11/05

Title: Feature Processing in Autism

Role: PI

NICHHD P01HD34565, Dawson (PI)

6/96-5/06

Title: Collaborative Programs of Excellence in Autism; Neurobiology and Genetics of Autism

Role: Director, UW Autism Center Psychophysiology Lab

NIH, National Research Service Award, Webb (PI)

8/98-7/01

Pre-doctoral Training Fellowship

Title: Electrophysiological Correlates of Implicit Memory

Role: PI

PUBLICATIONS

REFEREED JOURNALS

SARA JANE WEBB, PH.D.
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1. Monk, C.S., Webb, S.J., & Nelson, C.A. (2001). Prenatal neurobiological development: Molecular mechanisms and anatomical change. *Developmental Neuropsychology*, 19(2), 211-236.
2. Webb, S.J., Monk, C.S., & Nelson, C.A. (2001). Mechanisms of postnatal neurobiological development: Implications for human development. *Developmental Neuropsychology*, 19(2), 147-171.
3. Webb, S.J. & Nelson, C.A. (2001). Perceptual priming for upright and inverted faces in infants and adults. *Journal of Experimental Child Psychology*, 79, 1-22.
4. Dawson, G., Carver, L., Meltzoff, A., Panagiotides, H., McPartland, J., & Webb, S.J. (2002). Neural correlates of face and object recognition in young children with autism spectrum disorder, developmental delay, and typical development. *Child Development*, 73(3), 700-717.
5. Dawson, G., Webb, S.J., Schellenberg, G., Aylward, E., Richards, T., Dager, S., & Friedman, S. (2002). Defining the phenotype of autism: Genetic, brain, and behavioral perspectives. *Development and Psychopathology*, 14, 581-611.
6. Snyder, K., Webb, S.J. & Nelson, C.A. (2002). Theoretical and methodological implications of variability in infant brain response during a recognition memory paradigm. *Infant Behavioral and Development*, 25(4), 466-494.
7. Stolarova, M., Whitney, H., Webb, S.J., de Reignier, R., Georgeiff, M., & Nelson, C. (2003). Electrophysiological brain responses of six-month-old low risk premature infants during a visual priming task. *Infancy*, 4(3), 437-450.
8. Belmonte, M., Allen, G., Beckel-Mitchener, A., Boulanger, L., Carper, R., & Webb, S.J. (2004). Autism and Abnormal Development of Brain Connectivity. *Journal of Neuroscience*, 24(42), 9228-31.
9. Dawson, G., Webb, S.J., Carver, L., Panagiotides, H., & McPartland, J. (2004). Young children with autism show atypical brain responses to fearful versus neutral facial expressions. *Developmental Science*, 7(3), 340-359.
10. McPartland, J., Dawson, G., Webb, S.J., Carver, L., & Panagiotides, H. (2004). Event-related brain potentials reveal anomalies in temporal processing of faces in autism. *Journal of Child Psychology and Psychiatry and Allied Disciplines*, 45(7), 1235-45.
11. Bernier, R., Dawson, G., Panagiotides, H. & Webb, S.J. (2005). Individuals with autism spectrum disorder show normal responses to a fear potential startle paradigm. *Journal of Autism and Developmental Disorders*, 35(5), 575-583.
12. Webb, S.J., Long, J. & Nelson, C.A. (2005). A longitudinal investigation of visual event-related potentials in the first year of life. *Developmental Science*, 8, 605-616.
13. Munson, J., Dawson, G., Abbott, R., Faja, S., Webb, S.J., Friedman, S., Shaw, D., Artru, A. & Dager, S. (2006). Amygdalar volume and behavioral development in autism. *Archives of General Psychiatry*, 63, 686-93.
14. Webb, S.J., Dawson, G., Bernier, R., & Panagiotides, H. (2006). ERP evidence of atypical face processing in young children with autism. *Journal of Autism and Developmental Disorders*, 36, 881-890.
15. Bernier, R., Murias, M., Dawson, G., & Webb, S.J. (2007). EEG mu rhythm and imitation in autism. *Brain and Cognition*, 64(3), 228-237.

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16. Dawson, G., Munson, J., Webb S.J., Nalty, T., Abbott, R., & Toth, K. (2007). Rate of head growth decelerates and symptoms worsen in the second year of life in autism. *Biological Psychiatry*, 61(3), 270-273.
17. Murias, M., Webb, S.J., Greenson, J., & Dawson, G. (2007). Resting state cortical connectivity reflected in EEG coherence in individuals with autism. *Biological Psychiatry*, 62, 270-273.
18. Webb, S.J., Nalty, T., Munson, J., Brock, C., Abbott, R., & Dawson, G. (2007). Rate of head circumference growth as a function of diagnostic status and history of regression. *Journal of Child Neurology*, 22(10), 1182-1190.
19. Faja, S., Webb, S.J., Merkle, K., Aylward, E., & Dawson G. (2008). Brief Report: Face configuration accuracy and processing speed among adults with high-functioning autism spectrum disorders. *Journal of Autism and Developmental Disorders*, 14(34), 4007-09.
20. Sterling, L., Dawson, G., Webb, S.J., Murias, M., Munson, J., & Panagiotides, H. (2008). The role of face familiarity in eye tracking of faces by individuals with autism spectrum disorders. *Journal of Autism and Developmental Disorders*, 38(9), 1666-1675.
21. Corrigan, N.M., Richards, T., Webb, S.J., Merkle, K., Kleinmans, N., Murias, M., Johnson, C., Aylward, E., & Dawson, G. (2009). An investigation of the relationship between fMRI and ERP source localized measurements of brain activity during face processing. *Brain Topography*. Epub ahead of print, Mar 26.
22. Webb, S.J., Sparks, B-F., Friedman, S., Shaw, D., Giedd, J., Dawson, G., & Dager, S. (2009). Cerebellar vermal volumes in children with autism spectrum disorder. *Psychiatry Research: Neuroimaging*, 172, 61-67.
23. Webb, S.J., Merkle, K., Murias, M., Richards, T., Aylward, E., & Dawson, G. (2009). ERP responses differentiate inverted but not upright face processing in adults with ASD. *Social, Cognitive & Affective Neuroscience*. Epub ahead of print, May 19.
24. Webb, S.J., Jones, E., Merkle, K., Toth, K., Greenson, J., & Dawson, G. (2010). Increased attention to faces during habituation in toddlers with elevated autism symptoms. *Child Neuropsychology*.
25. Webb, S.J., Jones, E., Merkle, K., Murias, M., Greenson, J., Richards, T., Aylward, E., Dawson, G. (accepted). Response to familiar faces, newly familiar faces, and novel faces as submitted by ERPs is intact in adults with autism spectrum disorders. *International Journal of Psychophysiology*.

BOOK CHAPTERS

1. Nelson, C.A. & Webb, S.J. (2003). A cognitive neuroscience perspective on early memory development. In M. Johnson & M. de Haan (Eds.). *The Cognitive Neuroscience of Development, Studies in Developmental Psychology*. Pages 99 -119. New York: Psychology Press.
2. Bernier, R., Webb, S.J., & Dawson, G. (2005). Understanding the nature of social engagement impairments in autism. In Marshall, P. & Fox, N. (Eds.) *Oxford University Press Series in Affective Sciences: The Development of Social Engagement-Neurobiological Perspectives*. Oxford, UK: Oxford University Press.
3. Minshew, N., Webb, S.J., Williams, D.L., & Dawson, G. (2005). Neuropsychology and neurophysiology of autism spectrum disorders. In S. Moldin and J. Rubenstein (Eds) *Neurobiology of Autism From Basic Neuroscience to Treatment*, CRC Press.

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4. Minshew, N., Sweeney, J., Bauman, M., & Webb, S.J. (2006). Neurological Aspects of Autism. In F. Volkmar, R. Paul, A. Klin, D. Cohen (Eds.) *Handbook Autism and Pervasive Development Disorder, Volume 1, Diagnosis, Development, Neurobiology and Behavior*, Indianapolis, In: J. Wiley & Sons, Inc.
5. Friedman, S., Kleinhans, N., Munson, & Webb, S.J. (2008). Studies of brain morphology, chemistry, and function in Asperger's disorder. In Rausch, J., Johnson, M., & Casanova, M. (Eds.) *Asperger's disorder*. Informa HealthCare, New York.
6. Webb, S.J. (2008). Impairments in social memory in Autism? Evidence from behavior and Neuroimaging. In J. Boucher & D. Bowler (Eds.) *Memory in Autism, Theory & Evidence*. Cambridge University Press, UK.
7. Webb, S.J. (2008). Recognition Memory: Brain Behavior Relations form 0 to 3. In D. Coch, K. Fischer, & G. Dawson (Eds.) *Human Behavior, Learning, and the Developing Brain: Typical Development*. Guildford Publications.
8. Webb, S.J., Bernier, R., Burner, K., & Murias, M. (2009). Electrophysiology & Evoked Potentials. In Amaral, D., Dawson, G., & Geschwind, D. *Autism Spectrum Disorders*.
9. Courchesne, E., Schumann, C., Webb, S.J. (2009). From Toddlers to Adults. The changing landscape of the brain in autism. In Amaral, D., Dawson, G., & Geschwind, D. *Autism Spectrum Disorders*.
10. Webb, S.J., Faja, S., Dawson, G. (2009). Face processing in autism. In Calder, A., Rhodes, G., Haxby, J., & Johnson, M. *Handbook of Face Perception*. Oxford University Press.
11. Webb, S.J., Shell, A. R., Cuomo, J., Jensen, G., Deutsch, C. (2010). Head circumference measurement and growth. Applications to Neurodevelopment. In Preedy (Ed.) *Handbook of Growth and Growth Monitoring in Health and Disease*. Springer.

INVITED PUBLICATIONS / REVIEW & THEORETICAL PUBLICATIONS IN REFEREED JOURNALS

1. Dawson, G., Webb, S.J., & McPartland, J. (2005). Understanding the Nature of Face Processing Impairment in Autism: Insights from Behavioral and Electrophysiological Studies. *Developmental Neuropsychology*, 27, 403-424.
2. 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. In Cicchetti, D. and Posner, M. (Editors). *Development and Psychopathology "Cognitive and affective neuroscience and developmental psychopathology,"* 17, 679-697.
3. Webb, S.J., & Jones, E. (2009). Early identification of autism: Early characteristics, onset of symptoms, and diagnostic stability. *Infants and Young Children*.

MANUSCRIPTS SUBMITTED

1. Chapman, N., Estes, Munson, J., Bernier, R., Webb, S.J., A., Rothstein, J., Minshew, N., Dawson, G., Schellenberg, G., & Wijsman, E. (in preparation). Genome scan for IQ discrepancy in autism.
2. Faja, S., Webb, S.J. Merkle, K., Jones, E., Kamara, D., Bavaro, J., Aylward, E., & Dawson, G. (in preparation). Face expertise training in adults with high functioning autism spectrum disorders.
3. Webb, S.J., Jones, E.J.H., Merkle, K., Venema, K., Greenson, J., Murias, M., Dawson, G. (in review). A developmental change in the ERP responses to familiar faces in toddlers with autism spectrum disorders versus typical development.

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PRESENTATIONS

INVITED PRESENTATIONS

1. Webb, S.J. (1999, May). The development of multiple memory systems? Evidence from event-related potentials in infancy. Center for Cognitive Sciences Spring Retreat, Minneapolis, MN.
2. Webb, S.J. (2004, May). Two Faced: Dual Theories of Face Processing in Autism. International Meeting for Autism Research, Sacramento, CA.
3. Webb, S.J. (2004, May). ERPs as endophenotypes in autism. University of Denver, CO.
4. Dawson, G., Dager, S., Aylward, E., Webb, S.J., & Richards, T. (2005, April). UW Studies to Advance autism research and treatment. Paper presented at STAART Annual Meeting, Atlanta, GA.
5. Webb, S.J., (2006, March). Towards an understanding of autism; Insights from electrophysiology. Presentation at UW Psychiatry Neuroscience Division Seminar, Seattle WA.
6. Webb, S.J. (2006, July). Event-related potentials. NICHD Fragile X, Best Pharmaceuticals for Children Act, Atlanta GA.
7. Webb, S.J. (2006, Sept). From genes to behavior: How electrophysiological studies can provide insight into autism and other disorders. Pacific Northwest Neurophysiological Society, Seattle WA.
8. Webb, S.J. (2006, Oct). Specific Vulnerable Populations. Northwest Association for Biomedical Research, Seattle, WA.
9. Webb, S.J., Dager, S. & Smith, M. (2008, April). Science in the Cinema: "Snowcake". Panel Discussant at University of Washington, Seattle, WA.
10. Webb, S.J. (2008, May). Face processing in autism: A simple process gone awry? UCLA Autism Affinity Lecture Series, Los Angeles CA.
11. Webb, S.J. (2009, Feb). Eye gaze processing in Fragile X. Washington State Fragile X meeting, Seattle WA.
12. Webb, S.J. & Elder, L. (2009, March). Autism 101. Seattle Children's Hospital. Seattle WA.
13. Webb, S.J. & Bernier, R. (2009, July). The Brain and Social Processing in Fragile X and Autism. Seattle Fragile X Conference, Seattle WA.
14. Webb, S.J. (2009, July). Social communication in Fragile X. Center on Human Development and Disabilities LEND Seminar, Seattle WA.
15. Webb, S.J. & Faja, S. (2009, Sept). Face training in autism: behavioral and electrophysiological outcomes. Using Electrophysiology to Understand Neural Mechanisms and Treatment effects in Mental Illness in Children and Adolescents. National Institutes of Health, Bethesda MD.

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PEER REVIEWED (ORAL) CONFERENCE PRESENTATIONS

1. Webb, S.J., McPartland, J., Panagiotides, H., & Dawson, G. (2002, November). Gamma activity as a marker of facial processing abnormalities in children and adults with autism spectrum disorder. Paper presented at the International Meeting for Autism Research, Orlando, FL.
2. Dawson, G., Webb, S.J., Carver, L., Panagiotides, H., & McPartland, J. (2003, May). Young children with autism show atypical brain responses to fearful versus neutral facial expressions. Paper presented at Annual NIH Meeting for the Collaborative Programs of Excellence in Autism, Los Angeles, CA.
3. Dawson, G. & Webb, S.J. (2004, February). Autism: Behavioral, brain, and genetic perspectives: Event related potentials reveal early abnormalities in face processing autism. Paper presented at American Association for the Advancement of Science Annual meeting, Seattle, WA.
4. Dawson, G., Webb, S., Faja, S., & Paul, M. (2004, May). Face processing is altered in autism families: Behavioral and ERP evidence. Paper to be presented at the International Meeting for Autism Research, Sacramento, CA.
5. Webb, S.J., Bernier, R., Shook, J., Paul, M., & Dawson, G. (2004, May). Electrophysiological evidence of delayed neural processing of face in children with autism. Paper presented at the International Meeting for Autism Research, Sacramento, CA.
6. Webb, S.J. (2004, Oct). The Development of Temporal Binding in Autism: EEG Responses in Autism and Abnormal Development of Brain Connectivity: Functional Consequences and Possible Neural Antecedents. Paper presented at the Annual Meeting for the Society for Neuroscience, San Diego, CA.
7. Dawson, G., Faja, S., & Webb, S.J. (2005, May). Emotion processing is altered in autism families: Behavioral and ERP evidence. Paper presented at the International Meeting for Autism Research, Boston, MA.
8. McPartland, J., Dawson, G., Webb, S.J., & Keehn, B. (2005, May). Patterns of visual attention and face recognition in autism. Paper presented at the International Meeting for Autism Research, Boston, MA.
9. Sterling, L., Dawson, G., Panagiotides, H., & Webb, S.J. (2005, May). Attentional patterns of familiar face processing in individuals with autism. Paper presented at the International Meeting for Autism Research, Boston, MA.
10. Sterling, L., Dawson, G., Panagiotides, H., & Webb, S.J. (2005, May). Attentional patterns of familiar face processing in individuals with autism. Paper presented at the International Meeting for Autism Research, Boston, MA.
11. Webb, S.J., Dawson G., Toth, K., & Carlberg, M. (2005, May). Face and object memory in toddlers with autism, siblings of children with autism, and controls. Paper presented at the International Meeting for Autism Research, Boston, MA.
12. Bernier, R., Dawson, G., Murias, M., Quinn, A., Webb, S.J. (2006, June). EEG correlates of mirror neuron activity and imitation impairments in autism. Presented at the International Meeting for Autism Research, Montreal, Canada.
13. Richards, T., Oskin, N., Panagiotides, H., Webb, S.J., Poliakov, A., Kleinhans, N., Aylward, E., & Dawson, G. (2006, June). Face processing in autism: FMRI/EEG source localization correlations. Presented at the International Meeting for Autism Research. Montreal, Canada.

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14. Bernier, R., Dawson, G., Murias, M., Webb, S., & Lunde, S. (2007, June). Correlates of Mirror Neuron Activity and Imitation. National Science Foundation Mirror Neuron System Meeting, Arlington, VA.
15. Faja, S., Webb, S.J., Merkle, K., Kamara, D., Aylward, E., & Dawson, G. (2008, May). Replication study of face expertise training in adults with high functioning autism spectrum disorders. International Meeting for Autism Research, London, England.

PEER REVIEWED (WRITTEN) CONFERENCE PRESENTATIONS

1. Webb, S.J., Donzella, B. & Nelson, C.A. (1997, March). Perceptual priming for faces by human adults and infants. Presented at the Cognitive Neuroscience Society, Boston, MA.
2. Webb, S.J., Nelson, C.A., & Donzella, B. (1998, April). Neural correlates of perceptual priming in adults and infants. Presented at the International Conference on Infant Studies, Atlanta, GA.
3. Tribby-Walbridge, S., Webb, S.J., & Nelson, C.A. (1999, April). Neural correlates of familiarity for faces and toys: A Longitudinal Study. Presented at The Society for Research in Child Development, Albuquerque, NM.
4. Webb, S.J. (1999, April). Event-related potentials during a repetition priming paradigm in infancy. Presented at The Society for Research in Child Development, Albuquerque, NM.
5. Webb, S.J., Snyder, K. & Nelson, C.A. (2000, April). Electrophysiological correlates of familiarization to a novel stimulus. Presented at Cognitive Neuroscience, San Francisco, CA.
6. Webb, S.J., Snyder, K., & Nelson, C. (2001, April). Repeated presentations of a familiar stimulus during an infant ERP paradigm. Presented at the Society for Research in Child Development, Minneapolis, MN.
7. Webb, S.J. (2001, April). Implicit and Explicit Memory in Infancy: The effects of multiple session paradigms on ERP responses. Presented at the Society for Research in Child Development, Minneapolis, MN.
8. Webb, S.J., Shook, J., & Dawson, G. (2002, April). Face and object processing in children with autism and typical development. Presented at the Society for Cognitive Neuroscience Annual Meeting, San Francisco, CA.
9. Webb, S.J., Bernier, R., Panagiotides, H., Paul, M., & Dawson, G. (2003, April). Further evidence for an abnormality in the temporal processing of faces in autism. Presented at the Society for Research in Child Development, Tampa, FL.
10. Munson, J., Dager, S., Friedman, S., Shaw, D., Sparks, S., Artru, A., Estes, A., Webb, S.J., & Dawson, G. (2004, May). Amygdala size as an early biological index of symptom severity and course in autism. Presented at the NIH CPEA-STAAART Meeting, Washington DC.
11. Webb, S.J., Bernier, R., Shook, J., Paul, M., & Dawson, G. (2004, May). Development of face sensitive N170 in children with autism. Presented at the International Meeting for Autism Research, Sacramento, CA.
12. Bernier, R., Webb, S.J., Shook, J., & Paul, M. (2005, April). Electrophysiological measures of emotional facial expression processing in children with autism spectrum disorder. Presented at the Society for Research in Child Development, Atlanta, GA.
13. Dawson, G., Webb, S.J., 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. Presented at the Society for Research in Child Development, Atlanta, GA.

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14. Webb, S.J., Keil, A., McPartland, J., Shook, J., Dawson, G. (2005, April). Gamma activation during object perception and memory in teens with autism and typical development. Presented at Society for Cognitive Neuroscience Annual Meeting, New York, NY.
15. Faja, S., Webb, S.J., Dawson, G., Bloomquist, M., & Walters, M. (2005, May). Face processing in high functioning autism: behavioral findings. Presented at the International Meeting for Autism Research, Boston, MA.
16. Murias, M., Dawson, G., Webb, S.J., Panagiotides, G., Merkle, K. (2005, November). Decreased long range EEG coherence in children with autism. Presented at Annual NIH Meeting for the Collaborative Programs of Excellence in Autism, Bethesda, MD.
17. Richards, T., Oskin N., Panagiotides, H., Webb, S.J., Poliakov, A., Aylward, G., & Dawson, G. (2005, November). Face processing in autism: Spatial-temporal localization of fusiform activation. Presented at Annual NIH Meeting for the Collaborative Programs of Excellence in Autism, Bethesda, MD.
18. Sterling, L., Dawson, G., Panagiotides, H., & Webb, S. (2005, November). Attentional Patterns of Familiar Face Processing in Individuals with Autism. Presented at CPEASTAART 2005 Annual Meeting, Bethesda, MD.
19. Webb, S., Dawson, G., Toth, K., Greenson, J., Groen, R., Merkle, K. (2005, November). Early learning about faces and objects- habituation speed differs in toddlers with ASD. Presented at Annual NIH Meeting for the Collaborative Programs of Excellence in Autism, Bethesda, MD.
20. Iteld, L., Greenson, J., Sterling, L., Webb, S.J., Aylward, E., & Dawson, G. (2006, June). Differentiating Asperger's from Autism in Adults Using Measures of Current Functioning. Presented at the International Meeting for Autism Research, Montreal, Quebec.
21. Iteld, L., Greenson, J., Webb, S.J., Aylward, E., Dawson, G., (2006, June). Language impairment in adults with autism and Asperger's disorder. Presented at the International Meeting for Autism Research. Montreal, Canada.
22. Merkle, K., Webb, S.J., Murias, M., Aylward, E., & Dawson, G. (2006, June). Familiar and novel face processing of adults with ASD in an ERP study. Presented at the International Meeting for Autism Research, Montreal, Canada.
23. Merkle, K., Webb, S.J., Murias, M., Aylward, E., & Dawson, G. (2006, June). Familiar and novel face processing of adults with ASD in an ERP study. Presented at the annual meeting of the International Meeting for Autism Research, Montreal, Quebec.
24. Oskin, N., Merkle, K., Webb, S., Richards, T., Panagiotides, H., Aylward, E., & Dawson, G., (2006, June). Dipole source localization of face processing in autism. Presented at the annual meeting of the International Meeting for Autism Research, Montreal, Quebec.
25. Webb, S.J. & Quinn, A. (2006, September). Perception of Mooney faces by teens with and without autism. Presented at the Society for Psychophysiology Research. Vancouver, Canada.
26. Webb, S.J., Groen, R., Dawson, G., Dager, S., Weiss, A., & Phillips, J. (2006, September). Eye movements, attention, and the cerebellum in autism. Presented at the Society for Psychophysiology Research, Vancouver, Canada.
27. Groen, R., Phillips, J., Merkle, K., Dawson, G., Webb, S. (2007, May). Exploring visual spatial attention and the cerebellum in autism. Presented at the annual meeting of the International Meeting for Autism Research, Seattle, WA.

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28. Merkle, K., Webb, S.J., Murias, M., Groen, R., Aylward, E., & Dawson, G. (2007, May). ERPs to faces in adults with ASD, with and without face memory impairments. Presented at the annual meeting of the International Meeting for Autism Research, Seattle, WA.
29. Murias, M., Kleinhans, N., Oskin, N., Poliakov, A., Aylward, E., Dawson, G., Merkle, K., Webb, S.J., & Richards, T. (2007, May). Combined EEG and MRI approaches to functional connectivity in autism. Presented at the International Meeting for Autism Research, Seattle WA.
30. Oskin, N., Merkle, K., Webb, S.J., Richards, T., Aylward, E., & Dawson, G. (2007, May). Low-resolution brain electromagnetic tomography of face processing in autism. Presented at the International Meeting for Autism Research, Seattle WA.
31. Quinn, A., Webb, S.J. (2007, May). Do you see a face? Neural correlates of face perception in adolescents with and without autism. Presented at the International Meeting for Autism Research, Seattle WA.
32. Burner, K., Webb, S.J., Merkle, K., Murias, M., Dawson, G. (2008, May). Neural correlates of emotional face processing in children with autism. Presented at the International Meeting for Autism Research, London, England.
33. Jones, E., Greenson, J., Toth, K., Dawson, G., Webb, S.J. (2008, May). Habituation speed and novelty preference to faces differ in toddlers with ASD compared to infant siblings and controls. Presented at the annual meeting of the International Meeting for Autism Research, London, England.
34. Numata, J.M., Merkle, K., Jones, E.J.H., Murias, M., Aylward, E., Dawson, G., & Webb, S.J. (2008, May). Visual evoked potentials to checkerboards in individuals with ASD. Presented at the annual meeting of the International Meeting for Autism Research, London, England.
35. Sterling, L., Webb, S.J., Greenson, J., Dawson, G., & Aylward, E. (2008, May). Parent and Self Report of Social Ability and Associated Psychiatric Symptoms in Adults with Autism Spectrum Disorder. Presented at the International Meeting for Autism Research, London, England.
36. Bernier, R., Varley, K., Venema, K., Stamper, K., & Webb, S.J. (2009, May). A Comparison of Asperger's Disorder and High Functioning Autism: Are Diagnostic Boundaries Meaningful/Useful? International Meeting for Autism Research, Chicago, IL.
37. Davies, A., Venema, K., Jones, E., & Webb, S.J. (2009, May). Facial processing and habituation in toddlers with autism spectrum disorders. Mary Gates Symposium, Seattle WA.
38. Freed, N., Venema, K., Jones, E., & Webb, S.J. (2009, May). Child EEG and maternal depression. Mary Gates Symposium, Seattle WA.
39. Jones, E.J.H., Freed, N., Merkle, K., Greenson, J., Murias, M., Dawson, G., & Webb, S.J. (2009, May). ERP Responses to Faces are Correlated with Verbal Skills in Toddlers with ASD. International Meeting for Autism Research, Chicago, IL.
40. Lowry, R., Venema, K., Jones, E., & Webb, S.J. (2009, May). Variability and self-regulation in infants at risk for ASD. Mary Gates Symposium, Seattle WA.
41. Shapley, J., Venema, K., Jones, E., & Webb, S.J. (2009, May). Attention and emotional responses to social and non-social stimuli in infants at high risk for autistic spectrum disorders. Mary Gates Symposium, Seattle WA.
42. Venema, K., Jones, E.J.H., Glead, 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 variability. International Meeting for Autism Research, Chicago, IL.
43. Venema, K., Zuerb, L., Jones, E., Kamara, D., Merkle, K., Faja, S., Dawson, G., & Webb, S.J.

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- (2009, May). Effects of Face Training and Intervention on Face Memory in Young Children with Autism Spectrum Disorders. International Meeting for Autism Research, Chicago, IL.
44. Chapman, N., Estes, A., Munson, J., Bernier, R., Webb, SJ., Rothstein, J., Schellenberg, GD., Dawson, G., Wijsman, E. (2009, Nov.). IQ discrepancy as a quantitative autism endophenotype: strong evidence for loci on chromosomes 10 and 1. American Society of Human Genetics, Philadelphia, PA.