

Meghan R. Swanson, Ph.D.

Curriculum Vitae

The University of Texas at Dallas
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ACADEMIC APPOINTMENTS AND AFFILIATIONS

- 2019- current Assistant Professor of Psychological Sciences (tenure-track)
 The University of Texas at Dallas, Richardson, TX
- 2017-2018 Investigator, Intellectual and Developmental Disabilities Research Center
 University of North Carolina at Chapel Hill, Chapel Hill, NC

ACADEMIC TRAINING AND EDUCATION

- 2013-2018 University of North Carolina at Chapel Hill, Chapel Hill, NC
 Carolina Institute for Developmental Disabilities
 Postdoctoral Fellow in Neurodevelopmental Disorders
 2013-2015: funded by NIH T32 Postdoctoral Fellowship
 2016-2018: funded by NIH K99 Pathway to Independence Award
 Mentors: Joseph Piven, M.D. and Martin Styner, Ph.D.
- 2012-2013 Hunter College, City University of New York, New York, NY
 Postdoctoral Fellow in Psychology
 Mentor: Michael Siller, Ph.D.
- 2006-2012 The Graduate Center of the City University of New York
 M. Phil., Psychology
 Ph.D., Psychology- Behavioral Neuroscience
 Faculty Advisor: Michael Siller, Ph.D.
- 2002-2005 University of Wisconsin- Eau Claire
 B.A., Psychology, *Magna Cum Laude*

RESEARCH ACTIVITIES

I am interested in understanding how infants and young children acquire social communication skills and how brain development is involved in this process. In my current research, funded with a NIH K99/R00 Pathway to Independence Award, I employ a multi-method approach to determine the neurobiology underlying emerging language skills in typically developing infants and infants with psychopathology. I also investigate how the early home language environment supports development. My long-term research goal is to identify features of the home language environment that can inform treatment studies for infants at risk for atypical development.

ONGOING RESEARCH SUPPORT

Early Social Communication Environment and Brain Development in Infants at Risk for Autism (K99 MH108700)
 PI: Meghan R. Swanson
 Sponsor: National Institute of Mental Health

Project Period: 08/02/2016 – 12/31/2018
 Funded Amount: \$174,421, K99 phase only (R00 phase, 1/01/2019-12/31/2022, \$747,000 total)

Language Environment and Brain Development in Infants (L30 HD085276)

PI: Meghan R. Swanson
 Sponsor: National Institute of Child Health and Human Development
 Project Period: 07/01/2015-06/30/2017; Renewal 07/01/2017-06/30/2019
 Funded Amount: \$34,416

PREVIOUS RESEARCH SUPPORT

North Carolina Translational & Clinical Sciences Institute (NC TRACS) (KL2 TR001109)

PI: John B. Buse
 Sponsor: National Center for Advancing Translational Sciences
 Project Period: 09/26/2013 – 04/30/2018
 Role (if not PI): KL2 Scholar, 2016-2018
 Funded Amount: N/A, Declined for NIH K99/R00

An Eye-Tracking Measure of Joint Attention as an Autism Spectrum Disorder Endophenotype: Initial Validation in a Community Sample of Adults, Typically Developing Children, and Children with Autism Spectrum Disorder (G20111015158889)

PI: Meghan R. Swanson
 Sponsor: Sigma Xi the Scientific Research Society
 Project Period: 01/27/2012-01/26/2013
 Funded Amount: \$2,500

Social Cognition in Children with Autism Spectrum Disorder: Theory of Mind and a New Joint Attention Eye Tracking Measure

PI: Meghan R. Swanson
 Sponsor: The Graduate Center of the City University of New York
 Project Period: 02/1/2011-01/31/2012
 Funded Amount: \$1,900

FELLOWSHIPS, HONORS, AND AWARDS

2018, University of Texas System Rising STARs Award (\$300,000)
 2016, UNC Office of Postdoctoral Affairs Travel Award
 2015, Society for Research in Child Development Early Career Travel Award
 2014, UNC FPG Child Development Institute Joanne Erwick Roberts Early Career Award
 2013, CUNY Postdoctoral Travel Award, Round 8, 2013-A
 2012, Autism Science Foundation Travel Grant for the International Meeting for Autism Research
 2012, Autism Speaks Toddler Treatment Young Investigator Award
 2011, CUNY Graduate Center Biopsychology Award for Research and Academic Achievement
 2011, CUNY Graduate Center Presidential Research Fund Travel Grant
 2008-2012, CUNY Graduate Center Behavioral Neuroscience Travel Award
 2009, CUNY Graduate Center Sue Rosenberg Zalk Student Travel and Research Fund
 2006-2012, CUNY Graduate Center Tuition Fellowship
 2006-2008, CUNY Graduate Center Science Fellowship (\$48,000)

PEER REVIEWED PUBLICATIONS (*denotes mentee/advisee)

- [1.] Marrus, N., Hall, L.P., Paterson, S.J., Elison, J.T., Wolff, J.J., **Swanson, M.R.**, Parish-Morris, J., Eggebrecht, A.T., Pruett, Jr., J., Hazlett, H.C., Zwaigenbaum, L., Dager, S., Estes, A.M., Schultz, R.T., Botteron, K.N., Piven, J., Constantino, J.N., for the IBIS Network (in press). Language delay aggregates in toddler siblings of children with autism spectrum disorder. *Journal of Neurodevelopmental Disorders*.
^shared senior authors
- [2.] **Swanson[†], M.R.**, Wolff[†], J.J., Shen, M.D., Styner, M., Estes, A., Gerig, G., McKinstry, R.C., Botteron, K., Piven[^], J., Hazlett[^], H.C., for the IBIS Network (2018). Development of white matter circuitry in infants with fragile X syndrome. *JAMA Psychiatry*, 75(5), 1-9, doi: 10.1001/jamapsychiatry.2018.0180
tshared first authors, ^shared senior authors
- [3.] Siller, M., Hotez, E., **Swanson, M.**, Delavenne, A., Hutman, T., Sigman, M. (2018). Parent coaching increases the parents' capacity for reflection and self-evaluation: Results from a clinical trial in autism. *Attachment & Human Development*. doi: 10.1080/14616734.2018.1446737
- [4.] **Swanson, M.R.**, Shen, M.D., Wolff, J.J., Elison, J.T., Emerson, R., Styner, M., Hazlett, H.C., Truong, K., Watson, L., Paterson, S., Marrus, N., Botteron, K., Pandey, J., Schultz, R.T., Dager, S., Zwaigenbaum, L., Estes, A.M., Piven, J. for the IBIS Network (2017). Subcortical brain and behavior phenotypes differentiate infants who develop ASD versus language delay. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*. doi.org/10.1016/j.bpsc.2017.07.007
- [5.] Marrus, N., Eggebrecht, A.T., Todorov, A., Elison, J.T., Wolff, J.J., Cole, L., Gao, W., Pandey, J., Shen, M.D., **Swanson, M.R.**, Emerson, R., Klohr, C.L., Adams, C.M., Estes, A.M., Zwaigenbaum, L., Botteron, K.N., McKinstry, R.C., Constantino, J.N., Evans, A.C., Hazlett, H.C., Dager, S.R., Paterson, S.J., Schultz, R.T., Styner, M., Gerig, G., The IBIS Network, Schlaggar, B.L., Piven, J., and Pruett, Jr., J.R. (2017). Walking, gross motor development, and brain functional connectivity in infants and toddlers. *Cerebral Cortex*, 28(2), 750-763. doi: 10.1093/cercor/bhx313
- [6.] **Swanson, M.R.**, Shen, M.D., Wolff, J.J., Boyd, B., Clements, M., Rehg, M., Elison, J.T., Paterson, S., Parish-Morris, J., Chappell, J.C., Hazlett, H.C., Emerson, R.W., Botteron, K., Pandey, J., Schultz, R.T., Dager, S.R., Zwaigenbaum, L., Estes, A.M., Piven, J., for the IBIS Network. (2017). Naturalistic home language recordings reveal "hypervocal" infants at high familial risk for autism. *Child Development, Early View Articles*. doi: 10.1111/cdev.12777
- [7.] Hazlett, H.C., Gu, H., Munsell, B.C., Kim, S.H., Styner, M., Wolff, J.J., Elison, J.T., **Swanson, M.R.**, Zhu, H., Botteron, K.N., Collins, L., Constantino, J.N., Dager, S.R., Estes, A.M., Evans, A.C., Fonov, V., Gerig, G., Kostopoulos, P., McKinstry, R.C., Pandey, J., Paterson, S., Pruett, J.R., Schultz, R.T., Shaw, D.W., Zwaigenbaum, L., Piven, J., for the IBIS Network. (2017). Early brain development in infants at high risk for autism spectrum disorder. *Nature*, 542(7641), 348-351. doi:10.1038/nature21369
- [8.] Wolff, J.J., **Swanson, M.R.**, Elison, J.T., Gerig, G., Pruett, J.R., Styner, M., Vachet, C., Botteron, K., Dager, S. R., Estes, A.M., Hazlett, H.C., Schultz, R.T., Shen, M.D., Zwaigenbaum, L., Piven, J., for the IBIS Network. (2017). Neural circuitry at age 6 months associated with later repetitive behavior and sensory features in autism. *Molecular Autism*, 8(8). doi:10.1186/s13229-017-0126-z
- [9.] Shen, M.D., Kim, S.H., McKinstry, R.C., Gu, H., Hazlett, H C., Nordahl, C.W., Shaw, D., Elison, J.T., **Swanson, M.R.**, Fonov, V.S., Gerig, G., Dager, S.R., Botteron, K.N., Paterson, S., Schultz,

R.T., Evans, A.C., Estes, A.M., Zwaigenbaum, L., Styner, M.A., Amaral, D.G., Piven, J., for the IBIS Network. (2017). Increased extra-axial cerebrospinal fluid in high-risk infants who later develop autism. *Biological Psychiatry*, 82(3), 186-193. doi:j.biopsych.2017.02.1095

- [10.]Emerson, R.W., Adams, C., Nishino, T., Hazlett, H.C., Wolff, J.J., Zwaigenbaum, L., Constantino, J.N., Shen, M.D., **Swanson, M.R.**, Elison, J.T., Kandala, S., Estes, A.M., Botteron, K., Collins, L., Dager, S.D., Evans, A.E., Gerig, G., Gu, H., McKinstry, R.C., Paterson, S., Schultz, R.T., Styner, M., for the IBIS Network, Schlaggar, B.L., Pruett, Jr. J.R., Piven, J. (2017). Functional neuroimaging of high-risk 6-month-old infants predicts a diagnosis of autism at 24 months of age. *Science Translational Medicine*, 9(393), eaag2882. doi: 10.1126/scitranslmed.aag2882
- [11.]**Swanson, M.R.**, Wolff, J.J., Elison, J.T., Gu, H., Hazlett, H.C., Botteron, K., Paterson, S., Styner, M., Gerig, G., Constantino, C., Dager, S., Estes, E., Vachet, C., Piven, J. for the IBIS Network (2017*). Splenium development and early spoken language in human infants. *Developmental Science*, 20(2), e12360. doi: 10.1111/desc.12360
*first available online October 21, 2015
- [12.]**Swanson, M.R.**, & Siller, M. (2014). Brief Report: Broad autism phenotype in adults is related to performance on an eye-tracking measure of joint attention. *Journal of Autism and Developmental Disorder*, 44(3), 694-702. doi: 10.1007/s10803-013-1901-0
- [13.]Erstenyuk*, V., **Swanson, M.R.**, Siller, M. (2014). Pupillary responses during a joint attention task are associated with nonverbal cognitive abilities and sub-clinical symptoms of autism. *Research in Autism Spectrum Disorder*, 8(6), 644-653. doi: 10.1016/j.rasd.2014.03.003
- [14.]Kasari, C., Siller, M., Huynh, L., Shih, W., **Swanson, M.R.**, Helleman, G.S., Sugar, C.A. (2014). Randomized control trial of parental responsiveness intervention for toddlers at high risk for autism. *Infant Behavior and Development*, 37(4), 711-721. doi: 10.1016/j.infbeh.2014.08.007
- [15.]Siller, M., **Swanson, M.R.**, Gerber, A., Hutman, T. & Sigman, M. (2014). A parent-mediated intervention that targets responsive parental behaviors increases attachment behaviors in children with ASD: Results from a randomized clinical trial. *Journal of Autism and Developmental Disorder*, 44(7), 1720-32. doi: 10.1007/s10803-014-2049-2
- [16.]Siller, M., **Swanson, M.R.**, Serlin, G., & George, A. (2014). Internal state language in the storybook narratives of children with and without autism spectrum disorder: Investigating relations to theory of mind abilities. *Research in Autism Spectrum Disorder*, 8(5), 589-596. doi: 10.1016/j.rasd.2014.02.002
- [17.]**Swanson, M.R.**, Serlin, G., & Siller, M. (2013). Broad autism phenotype in typically developing children predicts performance on an eye-tracking measure of joint attention. *Journal of Autism and Developmental Disorder*, 43(3), 707-718. doi: 10.1007/s10803-012-1616-7
- [18.]**Swanson, M.R.**, & Siller, M. (2013). Patterns of gaze behavior during an eye-tracking measure of joint attention in typically developing children and children with autism spectrum disorder. *Research in Autism Spectrum Disorders*, 7(9), 1087-1096. doi: 10.1016/j.rasd.2013.05.007
- [19.]Bleske-Rechek, A., Remiker, M.W., **Swanson, M.R.**, & Zeug, N.M. (2006). Women more than men attend to indicators of good character: Two experimental demonstrations. *Evolutionary Psychology*, 4 (248-261).

BOOK CHAPTERS

- [1.] **Swanson, M.R.**, & Piven, J. (2017). Neurodevelopment of autism: The first three years of life. In M. Casanov, A. El-Baz & J. S. Suri (Eds.). *Autism Imaging and Devices* (pp. 37-57). Boca Raton, FL: CRC Press Taylor and Francis Group. doi.org/10.1201/9781315371375
- [2.] Rao, H., Clements, M A., Li, Y., **Swanson, M.R.**, Piven, J., Messinger, D.S. & (2017). Paralinguistic analysis of children's speech in natural environments. In J. Rehg, S. Murphy & S. Kumar (Eds.). *Mobile Health: Sensors, Analytic Methods, and Applications*. Springer International Publishing. ISBN 978-3-319-51394-2
- [3.] Siller, M., Morgan, L., **Swanson, M.R.**, & Hotez, E. (2013). Promoting early identification of autism in the primary care setting: Bridging the gap between what we know and what we do. In M. Fitzgerald (Ed.), *Recent Advances in Autism Spectrum Disorders: Volume 1* (pp. 3-28). Rijeka, Croatia: Intech Open Access Publishers.

SUBMITTED AND IN PREP PUBLICATIONS

- [1.] **Swanson, M.R.**, Donovan, K., Paterson, S., Wolff, J.J., Parish-Morris, J., Meera, S.S., Watson, L.R., Estes, A.M., Marrus, N., Elison, J.T., Shen, M.D., McNeilly, H.B., MacIntyre, L., St. John, T., Botteron, K., Dager, S., Piven, J., for the IBIS Network (under review). Early language exposure supports later language skills in infants with and without autism.
- [2.] **Swanson, M.R.** White matter as an objective neurobiological measure of treatment response (in prep). Invited article for a thematic series on white matter at the *Journal of Neurodevelopmental Disorders*.
- [3.] **Swanson, M.R.**, Wolff, J.J., Shen, M.D., Styner, M., Hazlett, H.C., Piven, J. for the IBIS Network (in prep). Cortical regions supporting early language development in infants with and without autism.

PROFESSIONAL ORAL PRESENTATIONS (*denotes mentee/advisee)

- [1.] Shen, M.D., Judson, M.C., **Swanson, M.R.**, Kim, S.H., Weisenfeld, L., Chappell, J.C., McNeilly, H.B., Smith, R.G., Graves, M.M, Kumar, P., Wadhavkar, N., DeRamus, M., Wheeler, A., Fan, Z., Christian, R.B., Powell, C.M., Thibert, R.L., Styner, M.A., Piven, J., Philpot, B.D., Hazlett, H.C. (August 2018). Integrating neuroimaging, clinical assessment, and microarray data to validate white matter as a biomarker in children with Angelman syndrome. Oral presentation at the 2018 Angelman Syndrome Foundation Research Symposium. Chapel Hill, NC.
- [2.] **Swanson†, M.R.**, Wolff†, J.J., Shen, M.D., Styner, M., Estes, A., Gerig, G., Botteron, K., Piven^, J., Hazlett^, H.C., for the IBIS Network (April 2018). Development of white matter circuitry is diminished in infants with fragile X syndrome. Oral presentation at the Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, CA.
†shared first authors, ^shared senior authors
- [3.] Mostapha, M., Shen, M.D., Kim, S., **Swanson, M.R.**, Collins, L., Fonov, V., Gerig, G., Piven, J., Styner, M.A., and the IBIS Network. (February 2018). A novel framework for the local extraction of extra-axial cerebrospinal fluid from MR brain images, Oral presentation at the SPIE Medical Imaging 2018, Houston, TX.

- [4.] **Swanson, M.R.**, Paterson, S., Marrus, N., Shen, M.D., Emerson, R.W., Elison, J.T., Wolff, J.J., Hazlett, H.C., Botteron, B., Schultz, R.T., Zwaigenbaum, L., Estes, A.M., Piven, J., & the IBIS Network. (May 2017). 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.
- [5.] Emerson, R.W, Adams, C., Nishino, T., Hazlett, H.C., Wolff, J.J., Zwaigenbaum, L., Constantino, J.N., Shen, M.D., **Swanson, M.R.**, Elison, J.T., Kandala, S., Estes, A.M., Botteron, K.N., Collins, L., Dager, S.R., Evans, A.C., Gerig, G., Gu, H., McKinstry, R.C., Paterson, S., Schultz, R.T., Styner, M., the IBIS Network, Schlaggar, B.L., Pruett, J.R. & Piven, J. (May 2017). Functional neuroimaging in high-risk 6-month-old infants predicts later autism. Oral presentation at the International Meeting for Autism Research, San Francisco, CA.
- [6.] Shen, M.D., Judson, M.C., **Swanson, M.R.**, Kim, S.H., Weisenfeld, L., McNeilly, H.B., Smith, R.G., Graves, M.M., Chappell, J.C., Christian, R., B., DeRamus, M., Fan, Z., Wheeler, A., Styner, M.A., Piven, J., Philpot, B.D., & Hazlett, H.C. (July 2017). MRI and DTI in children with Angelman Syndrome reveals white matter pathology linked to motor deficit. Invited talk at the Angelman Syndrome Foundation Biennial Conference, Phoenix, AZ.
- [7.] Wolff, J.J, **Swanson, M. R.**, Elison, J.T, Hazlett, H.C, Pruett, J.R., Schultz, R.T., Shen, M.D., Vachet, C., Zwaigenbaum, L., Piven, J., & the IBIS Network. (May 2016). White matter development in infancy predicts repetitive behavior and sensory features. Oral presentation at the International Meeting for Autism Research, Baltimore, MD.
- [8.] Marrus, N., Eggebrecht, A.T., Todorov, A., Elison, J.T., Wolff, J.J., Gao, W., Pandey, J., Shen, M.D., **Swanson, M.R.**, Emerson, R., Klohr, C. L., Adams, C.M., Snyder, A.Z, Estes, A.M., Zwaigenbaum, L., Botteron, K., McKinstry, R., Constantino, J.N., Evans, A.C., Hazlett, H.C., Dager, S., Paterson, S.J., Styner, M., Gerig, G., the IBIS Network, Schlaggar, B.L., Petersen, S. E., Piven, J., Pruett, J.R. (May 2016). Gross motor function and brain functional connectivity in infants and toddlers at risk for ASD. Oral presentation at the International Meeting for Autism Research, Baltimore, MD.
- [9.] 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. (May 2015). Exploring the neural correlates of repetitive behavior in babies with autism. Oral presentation at the International Meeting for Autism Research, Salt Lake City, UT.
- [10.] Wolff, J.J., **Swanson, M. R.**, Botteron, K., Piven, J., & Hazlett, H.C. (April 2015). A longitudinal diffusion tensor imaging study of infants with fragile X syndrome. Oral presentation at the Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, New Orleans, LA.
- [11.] **Swanson, M. R.** (March 2015). Trajectories of brain development underlying features of autism in at-risk infants. Chair of paper symposium at the Society for Research in Child Development Biannual Conference, Philadelphia, PA.
- [12.] **Swanson, M. R.**, Wolff, J. J., Elison, J., Gu, H., Hazlett, H., Botteron, K., Paterson, S., Styner, M., Gerig, G., Constantino, C., Dager, S., Estes, E., Vachet, C., Piven, J. (March 2015). The neural circuitry supporting language development in the infant brain. Oral presentation at the Society for Research in Child Development Biannual Conference, Philadelphia, PA.

- [13.] Wolff, J. J., Gerig, G., Styner, M., **Swanson, M. R.**, Elison, J., Estes, E., Flake, L., Klohr, C., Kostopoulos, P., Pandey, J., Paterson, S., Zwaigenbaum, L., Piven, J. (March 2015). A diffusion tensor imaging study of emerging sensory features in toddlers with autism. Oral presentation at the Society for Research in Child Development Biannual Conference, Philadelphia, PA.
- [14.] Hotez, E., **Swanson, M. R.**, Delavenne, A., Siller, M. (November 2014). Baseline parental insightfulness moderates treatment effect of a parent-mediated intervention for toddlers at risk for ASD. Oral presentation at the Society for Research in Child Development Special Topic Meeting, New Conceptualizations in the Study of Parenting-At-Risk, San Diego, CA.
- [15.] Siller, M., **Swanson, M. R.**, Hutman, T., Sigman, M. (April 2013). Attachment and autism: Marian Sigman's evolution from cross-sectional to intervention research. Oral presentation at the Society for Research in Child Development Biennial Meeting, Seattle, WA.
- [16.] **Swanson, M. R.** & Siller, M. (May 2013). Gaze patterns during an eye-tracking measure of joint attention in typically developing children and children with autism spectrum disorder. Oral presentation at the International Meeting for Autism Research, San Sebastián, Spain.
- [17.] George*, A., **Swanson, M. R.**, Serlin, G., & Siller, M. (May 2013). Narrative abilities and internal state language in children with autism spectrum disorder and typically developing children. Oral presentation at the International Meeting for Autism Research, San Sebastián, Spain.

PROFESSIONAL POSTER PRESENTATIONS (*denotes mentee/advisee)

- [1.] Howell, B., Sung, S., Wolff, J., **Swanson, M.**, Styner, M., Gerig, G., Gu, H., Botteron, K., Dager, S., Estes, A., Evans, A., Hazlett, H., McKinstry, R., Pruett, J., Schultz, R., Piven, J., & Elison, J. for the IBIS Network (May 2018). Examining the development of white matter structural networks in infants at high risk for autism using a factor analysis framework. Poster presentation at the FLUX Satellite Conference: Big Data. Little Brains, Chapel Hill, NC.
- [2.] Shen M.D., Styner M., **Swanson M.R.**, Kim S.H., Philpot B.D., Piven J., Hazlett H.C. (May 2017). Cross-disorder comparison of idiopathic autism, fragile X, angelman syndrome, and typical development: An MRI and DTI study of brain structure. Poster presentation at the International Meeting for Autism Research, San Francisco, CA.
- [3.] Migliaccio, J., Parish-Morris, J., Plate, S., Bateman, L., Wood, J., Slomowitz, R., Maldarelli, J., Pandey, J., **Swanson, M.R.**, Paterson, S., Marrus, N., Estes, A.M., Hazlett, H.C., Zwaigenbaum, L., Botteron, K., Dager, S., Piven, J., Schultz, R.T., & the IBIS Network. (May 2017). When high-risk 2-year-olds without ASD talk the most. Poster presentation at the International Meeting for Autism Research, San Francisco, CA.
- [4.] McNeilly*, H. B., **Swanson, M. R.**, Parish-Morris, J., Rehg, J., Clements, M., Botteron, K., C. Hazlett, H. C., Estes, A. M., & Piven, J. & the IBIS Network. (April 2017). Meaningful language experiences in first year of life: Adult-infant talk is positively associated with emerging language skills. Poster presented at the Society for Research in Child Development Biennial Meeting, Austin, TX.
- [5.] Parish-Morris, J., Santulli, M., **Swanson, M.**, Estes, A., Pandey, J., Schultz, R., Paterson, S., and the IBIS Network. (November 2016). Individual growth trajectories of typical and atypical vocalization from 6 to 24 months. Poster presented at the Boston University Conference on Language Development. Boston, MA.

- [6.] **Swanson, M. R.**, Boyd, B., Shen, M. D., Paterson, S., Chappell, C., Pandey, J., Parish-Morris, J., Emerson, R., Estes, A. M., Hazlett, H.C., Botteron, K. N. Schultz, R.T., Dager, S. R., Piven, J., & the IBIS Network. (May 2016). The early language environment and 9 month “hyper-vocalizing” in infants at risk for autism. Poster presented at the International Meeting for Autism Research, Baltimore, MD.
- [7.] Shen, M. D., Styner, M. A., **Swanson, M. R.**, Wolff, J.J, Elison, J.T, Smith, R. G., Graves, M. M., Botteron, K. N., Dager, S. R., Schultz, R.T., Zwaigenbaum, L., Estes, A. M., Piven, J., Hazlett, H.C., & the IBIS Network. (May 2016). A longitudinal MRI study of subcortical brain development in infants who develop autism and infants with fragile X syndrome. Poster presented at the International Meeting for Autism Research, Baltimore, MD.
- [8.] Paterson, S. J., Wolff, J.J, **Swanson, M. R.**, Elison, J.T, Zwaigenbaum, L., Estes, A. M., Botteron, K. N., Hazlett, H.C., Pandey, J., Schultz, R.T., Piven, J., & the IBIS Network. (May 2016). The relationship between temperament and brain development in infant siblings with autism spectrum disorder. Poster presented at the International Meeting for Autism Research, Baltimore, MD.
- [9.] Silller, M., Hotez, E. R., **Swanson, M. R.** (May 2016). Using quality improvement collaboratives to improve early identification of autism by primary care providers serving low resource urban communities. Poster presented at the International Meeting for Autism Research, Baltimore, MD.
- [10.]Erstenyuk*, V., **Swanson, M. R.**, Siller, M. (April 2013). Cognitive abilities in relation to pupillary responses during social videos. Poster presented at the Society for Research in Child Development Biennial Meeting, Seattle, WA.
- [11.]**Swanson, M. R.**, Erstenyuk, V. Jyotishi, M. Masry, F. Serlin G. & Siller. M. (May 2012). Broad autism phenotype in typically developing children predicts performance on an eye-tracking measure of joint attention. Poster presented at the International Meeting for Autism Research, Toronto, Ontario, Canada.
- [12.]**Swanson, M. R.**, Erstenyuk, V., Serlin, G., Siller. M. (May 2011). A new joint attention eye tracking measure for children with autism: A pilot study with neurotypical adults. Poster presented at the International Meeting for Autism Research, San Diego, CA.
- [13.]Erstenyuk*, V., **Swanson, M. R.**, Siller, M. (November 2011). Pupillary response: A joint attention experience. Poster presented at the Society for Neuroscience Annual Meeting, Washington, D.C.
- [14.]Serlin, G., Menon, S., **Swanson, M. R.**, Wang, T., Siller., M. (May 2011). Visual processing of social information in adults and children. Poster presented at the International Meeting for Autism Research, San Diego, CA.
- [15.]**Swanson, M. R.**, Siller. M. (November 2010). Does the broader autism phenotype questionnaire predict gaze patterns during a joint attention paradigm? Poster presented at A Brain Research Meeting: The Emerging Neuroscience of ASD. (Satellite conference to the Society for Neuroscience conference), San Diego, CA.
- [16.]**Swanson, M. R.**, Siller, M., Hutman, T., Sigman. M. (May 2010). Child attachment behaviors increase in response to a parent-mediated intervention: Initial results from a clinical trial in autism. Poster presented at the International Meeting for Autism Research, Philadelphia, PA.

TEACHING EXPERIENCE

Instructor on Record:

Master's level Developmental Psychology I, Adjunct Assistant Lecture-Fall 2012, Hunter College
 Psychology of Exceptional Children (upper level undergraduate course), Adjunct Lecturer-Spring 2011, Hunter College

Introduction to Psychology, Adjunct Lecturer-Fall 2008, Spring 2009, Hunter College

Teaching Assistant:

Psychology of Exceptional Children (upper level undergraduate course), Teaching Assistant-Winter 2010, Hunter College

Guest Lecturing:

Doctoral Seminar in Autism, UNC Department of Speech and Hearing Sciences, Spring 2018, "Early Language Development in Autism Spectrum Disorder"

Doctoral Seminar in Prelinguistic and Early Linguistic Communication Behavior, UNC Department of Speech and Hearing Sciences, Spring 2017, "Neurodevelopment of Early Communication"

Psychology of Cognitive Development, Hunter College Department of Psychology, Spring 2013, "Eye-tracking in Autism Research"

Psychology of Cognitive Development, Hunter College Department of Psychology, Fall 2012, "Using Eye-Tracking to Define Endophenotypes in Autism Spectrum Disorder"

MENTORING

Informal Mentoring:

Shoba Meera, Ph.D., 2017- current. Advisor: J. Piven. Currently a Fulbright-Nehru Postdoctoral Research Fellowship Scholar at the University of North Carolina at Chapel Hill.

Heidi Bryant McNeilly, B. A. 2015- 2018. Advisor: J. Piven. Currently a research assistant at the University of North Carolina at Chapel Hill.

Undergraduate Students Mentored:

Valentya Erstenyuk, B.A. 2010-2012. Advisor: M. Siller. Currently in a Physician's Assistant program at New York Institute of Technology College of Osteopathic Medicine.

Manya Jyotishi, M.S. 2011-2012. Advisor: M. Siller. Currently a graduate student at the University of Connecticut.

INVITED LECTURES

Washington University in St. Louis Intellectual and Developmental Disabilities Research Center (IDDRC) Autism Seminar Series, Washington University in St. Louis (12-18-17), talk titled *Learning to Talk: The Neurodevelopment of Emerging Language*.

Psychiatry Department, University of Minnesota (10-18-17), talk titled *Learning to Talk: The Neurodevelopment of Emerging Language*.

UNC Carolina Institute for Developmental Disabilities Investigator Forum, UNC (10-10-17), talk titled *Learning to Talk: The Neurodevelopment of Emerging Language*.

Georgia Tech College of Engineering (8-22-17), talk titled *Learning to Talk: The Neurodevelopment of Emerging Language*.

Frank Porter Graham Brown Bag Lunch Seminar, University of North Carolina (5-18-15), talk titled *The Neural Circuitry of Early Language Development in Human Infants*

The 4th Annual UNC Psychiatry Research Day Young Investigator Symposium, University of North Carolina (10-29-14), talk titled *The Neural Circuitry of Early Language Development in Human Infants*

The Elison Lab for Developmental Brain and Behavior Research, University of Minnesota Institute for Child Development (8-12-14), talk titled *Splenium Development from 6 to 24 Months Predicts Language Production at 24 months*

DEPARTMENTAL AND EXTRACURRICULAR SERVICE

2017-current, International Society for Autism Research Communication Committee Member

2017-current, UNC CIDD Journal Club Organizer

2015-2017, UNC Women in Science Planning Committee

2011, 2012, New York City Science and Engineering Fair Judge

2008, 2009, Hunter College Biopsychology Admissions and Awards Committee (Grad Student Rep.)

PROFESSIONAL ACTIVITIES

2014-2015, UNC Translational and Clinical Research Curriculum (professional development for junior faculty and postdocs including an intensive year-long grant writing course)

2014, Cold Spring Harbor Course on the Neurobiology of Language

AD HOC REVIEWING

Autism (2015, 2018)

Autism Research (2018)

Biannual Meeting for the Society for Research in Child Development- Developmental Disabilities (2014, 2016, 2018)

Biological Psychiatry- CNI (2017)

Brain and Language (2015)

Child Development Research (2013)

Clinical Psychological Science (2017)

Developmental Science (2018)

International Journal on Disability and Human Development (2017)

Journal of Affective Disorders (2014)

Journal of Autism and Developmental Disorders (2012)

Journal of Neurodevelopmental Disorders (2017, 2018)

Molecular Autism (2018)

National Science Foundation-Developmental Sciences Program (2018)

Nordic Psychology (2016)

Psychological Medicine (2017)

Psychological Science (2017)
Research in Developmental Disabilities (2013)
The New School Psychology Bulletin (Editorial Board Member 2011-2012)

MEDIA COVERAGE (for first-author papers)

- [1.] *Vital Signs* article titled “Fragile X imaging study reveals differences in infant brains.”
<http://news.unchealthcare.org/news/2018/april/fragile-x-imaging-study-reveals-differences-in-infant-brains>
- [2.] NIMH Director’s Message on Autism Awareness Month.
<https://www.nimh.nih.gov/about/director/messages/2017/autism-awareness-month-genes-and-development-in-autism-spectrum-disorder.shtml>
- [3.] *Spectrum* article titled “Brain, behavior distinguish autism from language delay.”
<http://spectrumnews.org/news/brain-behavior-distinguish-autism-language-delay/>

REFERENCES

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