



Antonio Hardan, M.D.

Professor of Psychiatry and Behavioral Sciences at the Stanford University Medical Center

Psychiatry and Behavioral Sciences - Child and Adolescent Psychiatry

CLINICAL OFFICES

- **Stanford Outpatient Psychiatry Clinic**

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

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Bio

CLINICAL FOCUS

- Child and Adolescent Psychiatry

ACADEMIC APPOINTMENTS

- Professor - Med Center Line, Psychiatry and Behavioral Sciences - Child and Adolescent Psychiatry
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Director, Autism and Developmental Disabilities Clinic, (2006- present)
- Medical Director, Outpatient Program, Division of Child and Adolescent Psychiatry, (2011- present)
- Director, Division of Child and Adolescent Psychiatry, (2014- present)

PROFESSIONAL EDUCATION

- Internship: St Elizabeth Hospital (1991) DC
- Medical Education: St Joseph's University (1988) Lebanon
- Board Certification: Child and Adolescent Psychiatry, American Board of Psychiatry and Neurology (1997)
- Fellowship: University of Pittsburgh (1996) PA
- Board Certification: Psychiatry, American Board of Psychiatry and Neurology (1995)
- Residency: Strong Memorial Hospital (1993) NY

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

The neurobiology of autism

Neuroimaging in individuals with autism

Psychopharmacological treatment of children and adults with autism and/or developmental disorders

The neurobiology and innovative interventions of several neurogenic disorders including DiGeorge Syndrome (Velocardiofacial syndrome; 22q11.2 mutations), PTEN mutations, and Phelan McDermid Syndrome (22q13 mutations).

CLINICAL TRIALS

- A Study of Esomeprazole in Children With Autism, Recruiting
- Evaluating Parent Delivered Interventions for Children With Autism, Recruiting
- Intranasal Vasopressin Treatment in Children With Autism, Recruiting
- Natural History Study of Individuals With Autism and Germline Heterozygous PTEN Mutations, Recruiting
- Neuroimaging Predictors of Improvement to Pivotal Response Treatment (PRT) in Young Children With Autism, Recruiting
- Pilot Trial of Pregnenolone in Autism, Recruiting
- A Study of Esomeprazole in Children With Autism, Not Recruiting
- A Study of N-Acetyl Cysteine in Children With Autism, Not Recruiting
- A Study of Pregnenolone in the Treatment of Individuals With Autism, Not Recruiting
- A Study of RG7314 to Investigate Efficacy and Safety in Individuals With Autism Spectrum Disorders (ASD), Not Recruiting
- An Evaluation of a Developmentally-Based Parent Training Program for Children With Autism, Not Recruiting
- An Open-Label Study of N-Acetyl Cysteine in Children With Autism, Not Recruiting
- Intranasal Oxytocin Treatment for Social Deficits in Children With Autism, Not Recruiting
- Pivotal Response Group Treatment for Parents of Young Children With Autism, Not Recruiting
- Pivotal Response Treatment for Individuals With Intellectual Disabilities, Not Recruiting
- Pivotal Response Treatment Package for Young Children With Autism, Not Recruiting
- Randomized Controlled Study of Donepezil in Fragile X Syndrome, Not Recruiting
- Study of Pharmacokinetics, Safety, Efficacy, and Tolerability of Memantine in Children With Autism, Not Recruiting
- The Role of Vasopressin in the Social Deficits of Autism, Not Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

John Hegarty

Publications

PUBLICATIONS

- **Exploring Social Subtypes in Autism Spectrum Disorder: A Preliminary Study.** *Autism research : official journal of the International Society for Autism Research*
Uljarevic, M., Phillips, J. M., Schuck, R. K., Schapp, S., Solomon, E. M., Salzman, E., Allerhand, L., Libove, R. A., Frazier, T. W., Hardan, A. Y.
2020

- **Contextual determinants of parental reflective functioning: Children with autism versus their typically developing siblings.** *Autism : the international journal of research and practice*
Enav, Y., Erhard-Weiss, D., Goldenberg, A., Knudston, M., Hardan, A. Y., Gross, J. J.
2020: 1362361320908096
- **Rapid Eye-Tracking Evaluation of Language in Children and Adolescents Referred for Assessment of Neurodevelopmental Disorders** *JOURNAL OF INTELLECTUAL & DEVELOPMENTAL DISABILITY*
Frazier, T. W., Hauschild, K. M., Klingemier, E., Strauss, M. S., Hardan, A. Y., Youngstrom, E. A.
2020
- **Effects of pivotal response treatment on reciprocal vocal contingency in a randomized controlled trial of children with autism spectrum disorder.** *Autism : the international journal of research and practice*
McDaniel, J., Yoder, P., Crandall, M., Millan, M. E., Ardel, C. M., Gengoux, G. W., Hardan, A. Y.
2020: 1362361320903138
- **Quantifying Research Domain Criteria Social Communication Subconstructs Using the Social Communication Questionnaire in Youth.** *Journal of clinical child and adolescent psychology : the official journal for the Society of Clinical Child and Adolescent Psychology, American Psychological Association, Division 53*
Uljarevi#, M., Frazier, T. W., Phillips, J. M., Jo, B., Littlefield, S., Hardan, A. Y.
2020: 1–11
- **Thalamic and prefrontal GABA concentrations but not GABAA receptor densities are altered in high-functioning adults with autism spectrum disorder.** *Molecular psychiatry*
Fung, L. K., Flores, R. E., Gu, M., Sun, K. L., James, D., Schuck, R. K., Jo, B., Park, J. H., Lee, B. C., Jung, J. H., Kim, S. E., Saggat, M., Sacchet, et al
2020
- **Anxiety in young people with autism spectrum disorder: Common and autism-related anxiety experiences and their associations with individual characteristics.** *Autism : the international journal of research and practice*
Lau, B. Y., Leong, R., Uljarevic, M., Lerh, J. W., Rodgers, J., Hollocks, M. J., South, M., McConachie, H., Ozsivadjian, A., Van Hecke, A., Libove, R., Hardan, A., Leekam, et al
2019: 1362361319886246
- **Efficacy and safety of memantine in children with autism spectrum disorder: Results from three phase 2 multicenter studies** *AUTISM*
Hardan, A. Y., Hendren, R. L., Aman, M. G., Robb, A., Melmed, R. D., Andersen, K. A., Luchini, R., Rahman, R., Ali, S., Jia, X., Mallick, M., Lateiner, J. E., Palmer, et al
2019; 23 (8): 2096–2111
- **Interrelationship Between Cognitive Control, Anxiety, and Restricted and Repetitive Behaviors in Children with 22q11.2 Deletion Syndrome.** *Autism research : official journal of the International Society for Autism Research*
Uljarevic, M., McCabe, K. L., Angkustsiri, K., Simon, T. J., Hardan, A. Y.
2019
- **A Pivotal Response Treatment Package for Children With Autism Spectrum Disorder: An RCT.** *Pediatrics*
Gengoux, G. W., Abrams, D. A., Schuck, R., Millan, M. E., Libove, R., Ardel, C. M., Phillips, J. M., Fox, M., Frazier, T. W., Hardan, A. Y.
2019
- **A non randomized mentalization intervention for parents of children with autism** *AUTISM RESEARCH*
Enav, Y., Erhard-Weiss, D., Kopelman, M., Samson, A. C., Mehta, S., Gross, J. J., Hardan, A. Y.
2019; 12 (7): 1077–86
- **Blood oxytocin concentration positively predicts contagious yawning behavior in children with autism spectrum disorder.** *Autism research : official journal of the International Society for Autism Research*
Mariscal, M. G., Oztan, O., Rose, S. M., Libove, R. A., Jackson, L. P., Sumiyoshi, R. D., Trujillo, T. H., Carson, D. S., Phillips, J. M., Garner, J. P., Hardan, A. Y., Parker, K. J.
2019
- **A randomized placebo-controlled pilot trial shows that intranasal vasopressin improves social deficits in children with autism** *SCIENCE TRANSLATIONAL MEDICINE*
Parker, K. J., Oztan, O., Libove, R. A., Mohsin, N., Karhson, D. S., Sumiyoshi, R. D., Summers, J. E., Hinman, K. E., Motonaga, K. S., Phillips, J. M., Carson, D. S., Fung, L. K., Garner, et al
2019; 11 (491)

- **A non randomized mentalization intervention for parents of children with autism.** *Autism research : official journal of the International Society for Autism Research*
Enav, Y., Erhard-Weiss, D., Kopelman, M., Samson, A. C., Mehta, S., Gross, J. J., Hardan, A. Y.
2019
- **Effects of a parent-implemented Developmental Reciprocity Treatment Program for children with autism spectrum disorder** *AUTISM*
Gengoux, G. W., Schapp, S., Burton, S., Ardel, C. M., Libove, R. A., Baldi, G., Berquist, K. L., Phillips, J. M., Hardan, A. Y.
2019; 23 (3): 713–25
- **A pilot investigation of neuroimaging predictors for the benefits from pivotal response treatment for children with autism** *JOURNAL OF PSYCHIATRIC RESEARCH*
Hegarty, J. P., Gengoux, G. W., Berquist, K. L., Milian, M., Tamura, S. M., Karve, S., Rosenthal, M. D., Phillips, J. M., Hardan, A. Y.
2019; 111: 140–44
- **A pilot investigation of neuroimaging predictors for the benefits from pivotal response treatment for children with autism.** *Journal of psychiatric research*
Hegarty, J. P., Gengoux, G. W., Berquist, K. L., Millan, M. E., Tamura, S. M., Karve, S., Rosenthal, M. D., Phillips, J. M., Hardan, A. Y.
2019; 111: 140–44
- **Genetic and environmental influences on structural brain measures in twins with autism spectrum disorder.** *Molecular psychiatry*
Hegarty, J. P., Pegoraro, L. F., Lazzeroni, L. C., Raman, M. M., Hallmayer, J. F., Monterrey, J. C., Cleveland, S. C., Wolke, O. N., Phillips, J. M., Reiss, A. L., Hardan, A. Y.
2019
- **A randomized placebo-controlled pilot trial shows that intranasal vasopressin improves social deficits in children with autism.** *Science translational medicine*
Parker, K. J., Oztan, O., Libove, R. A., Mohsin, N., Karhson, D. S., Sumiyoshi, R. D., Summers, J. E., Hinman, K. E., Motonaga, K. S., Phillips, J. M., Carson, D. S., Fung, L. K., Garner, et al
2019
- **Genetic and Environmental Influences on Lobar Brain Structures in Twins With Autism.** *Cerebral cortex (New York, N.Y. : 1991)*
Hegarty, J. P., Lazzeroni, L. C., Raman, M. M., Pegoraro, L. F., Monterrey, J. C., Cleveland, S. C., Hallmayer, J. F., Wolke, O. N., Phillips, J. M., Reiss, A. L., Hardan, A. Y.
2019
- **Challenges to the social motivation theory of autism: The dangers of counteracting an imprecise theory with even more imprecision** *BEHAVIORAL AND BRAIN SCIENCES*
Uljarevic, M., Vivanti, G., Leekam, S. R., Hardan, A. Y.
2019; 42
- **Efficacy and safety of memantine in children with autism spectrum disorder: Results from three phase 2 multicenter studies.** *Autism : the international journal of research and practice*
Hardan, A. Y., Hendren, R. L., Aman, M. G., Robb, A., Melmed, R. D., Andersen, K. A., Luchini, R., Rahman, R., Ali, S., Jia, X. D., Mallick, M., Lateiner, J. E., Palmer, et al
2019: 1362361318824103
- **Neurobehavioral phenotype of autism spectrum disorder associated with germline heterozygous mutations in PTEN.** *Translational psychiatry*
Busch, R. M., Srivastava, S., Hogue, O., Frazier, T. W., Klaas, P., Hardan, A., Martinez-Agosto, J. A., Sahin, M., Eng, C.
2019; 9 (1): 253
- **Genetic and environmental influences on cortico-striatal circuits in twins with autism.** *Genetic and environmental influences on cortico-striatal circuits in twins with autism.*
Hegarty, J. P., Lazzeroni, L. C., Raman, M. M., Hallmayer, J. C., Cleveland, S. C., Phillips, J. M., Reiss, A. L., Hardan, A. Y.
2019
- **Genetic and environmental influences on corticostriatal circuits in twins with autism** *Journal of psychiatry & neuroscience : JPN*
Hegarty II, J. P., Lazzeroni, L. C., Raman, M. M., Hallmayer, J. F., Cleveland, S. C., Wolke, O. N., Phillips, J. M., Reiss, A. L., Hardan, A. Y.
2019; 44 (6): 190030
- **Development of the Stanford Social Dimensions Scale: initial validation in autism spectrum disorder and in neurotypicals.** *Molecular autism*
Phillips, J. M., Uljarevi#, M., Schuck, R. K., Schapp, S., Solomon, E. M., Salzman, E., Allerhand, L., Libove, R. A., Frazier, T. W., Hardan, A. Y.
2019; 10: 48

- **Development and Validation of Objective and Quantitative Eye Tracking-Based Measures of Autism Risk and Symptom Levels.** *Journal of the American Academy of Child and Adolescent Psychiatry*
Frazier, T. W., Klingemier, E. W., Parikh, S., Speer, L., Strauss, M. S., Eng, C., Hardan, A. Y., Youngstrom, E. A.
2018; 57 (11): 858–66
- **Cerebrospinal fluid vasopressin and symptom severity in children with autism.** *Annals of neurology*
Oztan, O., Garner, J. P., Partap, S., Sherr, E. H., Hardan, A. Y., Farmer, C., Thurm, A., Swedo, S. E., Parker, K. J.
2018
- **Arginine vasopressin in cerebrospinal fluid is a marker of sociality in nonhuman primates** *SCIENCE TRANSLATIONAL MEDICINE*
Parker, K. J., Garner, J. P., Oztan, O., Tarara, E. R., Li, J., Sclafani, V., Del Rosso, L. A., Chun, K., Berquist, S. W., Chez, M. G., Partap, S., Hardan, A. Y., Sherr, et al
2018; 10 (439)
- **Effects of a parent-implemented Developmental Reciprocity Treatment Program for children with autism spectrum disorder.** *Autism : the international journal of research and practice*
Gengoux, G. W., Schapp, S., Burton, S., Ardel, C. M., Libove, R. A., Baldi, G., Berquist, K. L., Phillips, J. M., Hardan, A. Y.
2018: 1362361318775538
- **Plasma anandamide concentrations are lower in children with autism spectrum disorder** *MOLECULAR AUTISM*
Karahson, D. S., Krasinska, K. M., Dallaire, J., Libove, R. A., Phillips, J. M., Chien, A. S., Garner, J. P., Hardan, A. Y., Parker, K. J.
2018; 9: 18
- **Comprehensive Examination of the GABAergic System in Adults With Autism by Simultaneous [18F] Flumazenil-Positron Emission Tomography and Magnetic Resonance Spectroscopy**
Fung, L., Flores, R., Liu, K., Gu, M., Spielman, D., Chin, F., Hardan, A.
NATURE PUBLISHING GROUP.2017: S206–S207
- **Biomarker Discovery for Social Impairments: Translation From a Novel Monkey Model to Patients With Autism**
Parker, K., Garner, J., Oztan, O., Tarara, E., Li, J., Sclafani, V., Del Rosso, L., Chun, K., Berquist, S., Chez, M., Partap, S., Hardan, A., Sherr, et al
NATURE PUBLISHING GROUP.2017: S501–S502
- **A Meta-Analysis of Gaze Differences to Social and Nonsocial Information Between Individuals With and Without Autism** *JOURNAL OF THE AMERICAN ACADEMY OF CHILD AND ADOLESCENT PSYCHIATRY*
Frazier, T. W., Strauss, M., Klingemier, E. W., Zetzer, E. E., Hardan, A. Y., Eng, C., Youngstrom, E. A.
2017; 56 (7): 546–55
- **The measurement properties of the spence children's anxiety scale-parent version in a large international pooled sample of young people with autism spectrum disorder.** *Autism research*
Magiati, I., Lerh, J. W., Hollocks, M. J., Uljarevic, M., Rodgers, J., McConachie, H., Ozsvadjian, A., South, M., Van Hecke, A., Hardan, A., Libove, R., Leekam, S., Simonoff, et al
2017
- **Safety and Efficacy of Memantine in Children with Autism: Randomized, Placebo-Controlled Study and Open-Label Extension** *JOURNAL OF CHILD AND ADOLESCENT PSYCHOPHARMACOLOGY*
Aman, M. G., Findling, R. L., Hardan, A. Y., Hendren, R. L., Melmed, R. D., Kehinde-Nelson, O., Hsu, H., Trugman, J. M., Palmer, R. H., Graham, S. M., Gage, A. T., Perhach, J. L., Katz, et al
2017; 27 (5): 403–12
- **Simultaneous [18F]Flumazenil-Positron Emission Tomography and GABA-Magnetic Resonance Spectroscopy in Adults with Autism and Healthy Volunteers**
Fung, L., Flores, R., Gu, M., Hjoernevik, T., Hardan, A., Spielman, D., Chin, F.
ELSEVIER SCIENCE INC.2017: S127–S128
- **Pharmaceuticals and Stem Cells in Autism Spectrum Disorders: Wishful Thinking?** *WORLD NEUROSURGERY*
Sivanesan, S., Tan, A., Jeyaraj, R., Lam, J., Gole, M., Hardan, A., Ashkan, K., Rajadas, J.
2017; 98: 659-672
- **Incidental brain MRI findings in an autism twin study.** *Autism research*
Monterrey, J. C., Philips, J., Cleveland, S., Tanaka, S., Barnes, P., Hallmayer, J. F., Reiss, A. L., Lazzeroni, L. C., Hardan, A. Y.
2017; 10 (1): 113-120

- **Intranasal oxytocin treatment for social deficits and biomarkers of response in children with autism.** *Proceedings of the National Academy of Sciences*
Parker, K. J., Oztan, O., Libove, R. A., Sumiyoshi, R. D., Jackson, L. P., Karhson, D. S., Summers, J. E., Hinman, K. E., Motonaga, K. S., Phillips, J. M., Carson, D. S., Garner, J. P., Hardan, et al
2017; 114 (30): 8119-8124
- **Intranasal oxytocin treatment for social deficits and biomarkers of response in children with autism.** *Proceedings of the National Academy of Sciences of the United States of America*
Parker, K. J., Oztan, O., Libove, R. A., Sumiyoshi, R. D., Jackson, L. P., Karhson, D. S., Summers, J. E., Hinman, K. E., Motonaga, K. S., Phillips, J. M., Carson, D. S., Garner, J. P., Hardan, et al
2017; 114 (30): 8119-24
- **Biomarker discovery for disease status and symptom severity in children with autism.** *Psychoneuroendocrinology*
Oztan, O., Jackson, L. P., Libove, R. A., Sumiyoshi, R. D., Phillips, J. M., Garner, J. P., Hardan, A. Y., Parker, K. J.
2017; 89: 39-45
- **A proton MR spectroscopy study of the thalamus in twins with autism spectrum disorder.** *Progress in neuro-psychopharmacology & biological psychiatry*
Hegarty, J. P., Gu, M., Spielman, D. M., Cleveland, S. C., Hallmayer, J. F., Lazzeroni, L. C., Raman, M. M., Frazier, T. W., Phillips, J. M., Reiss, A. L., Hardan, A. Y.
2017
- **Intranasal Vasopressin Treatment Improves Social Abilities in Children With Autism**
Parker, K., Oztan, O., Libove, R., Sumiyoshi, R., Summers, J., Hinman, K., Fung, L., Motonaga, K., Carson, D., Phillips, J., Garner, J., Hardan, A.
NATURE PUBLISHING GROUP.2016: S341
- **Pharmaceuticals and Stem Cells in Autism Spectrum Disorders: Wishful Thinking?** *World neurosurgery*
Sivanesan, S., Tan, A., Jeyaraj, R., Lam, J., Gole, M., Hardan, A., Ashkan, K., Rajadas, J.
2016
- **White matter structure in the uncinate fasciculus: Implications for socio-affective deficits in Autism Spectrum Disorder.** *Psychiatry research*
Samson, A. C., Dougherty, R. F., Lee, I. A., Phillips, J. M., Gross, J. J., Hardan, A. Y.
2016; 255: 66-74
- **Endocannabinoid signaling in social functioning: an RDoC perspective.** *Translational psychiatry*
Karhson, D. S., Hardan, A. Y., Parker, K. J.
2016; 6 (9)
- **Equivalence of symptom dimensions in females and males with autism.** *Autism*
Frazier, T. W., Hardan, A. Y.
2016
- **The Fourth International Symposium on Genetic Disorders of the Ras/MAPK pathway** *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*
Stevenson, D. A., Schill, L., Schoyer, L., Andresen, B. S., Bakker, A., Bayrak-Toydemir, P., Burkitt-Wright, E., Chatfield, K., Elefteriou, F., Elgersma, Y., Fisher, M. J., Franz, D., Gelb, et al
2016; 170 (8): 1959-1966
- **A proton spectroscopy study of white matter in children with autism.** *Progress in neuro-psychopharmacology & biological psychiatry*
Hardan, A. Y., Fung, L. K., Frazier, T., Berquist, S. W., Minshew, N. J., Keshavan, M. S., Stanley, J. A.
2016; 66: 48-53
- **Development of an Objective Autism Risk Index Using Remote Eye Tracking.** *Journal of the American Academy of Child and Adolescent Psychiatry*
Frazier, T. W., Klingemier, E. W., Beukemann, M., Speer, L., Markowitz, L., Parikh, S., Wexberg, S., Giuliano, K., Schulte, E., Delahunty, C., Ahuja, V., Eng, C., Manos, et al
2016; 55 (4): 301-309
- **Development of an Objective Autism Risk Index Using Remote Eye Tracking** *JOURNAL OF THE AMERICAN ACADEMY OF CHILD AND ADOLESCENT PSYCHIATRY*
Frazier, T. W., Klingemier, E. W., Beukemann, M., Speer, L., Markowitz, L., Parikh, S., Wexberg, S., Giuliano, K., Schulte, E., Delahunty, C., Ahuja, V., Eng, C., Manos, et al
2016; 55 (4): 301-309
- **Irritability and Problem Behavior in Autism Spectrum Disorder: A Practice Pathway for Pediatric Primary Care** *PEDIATRICS*

- McGuire, K., Fung, L. K., Hagopian, L., Vasa, R. A., Mahajan, R., Bernal, P., Silberman, A. E., Wolfe, A., Coury, D. L., Hardan, A. Y., Veenstra-VanderWeele, J., Whitaker, A. H.
2016; 137: S136-S148
- **Pharmacologic Treatment of Severe Irritability and Problem Behaviors in Autism: A Systematic Review and Meta-analysis.** *Pediatrics*
Fung, L. K., Mahajan, R., Nozzolillo, A., Bernal, P., Krasner, A., Jo, B., Coury, D., Whitaker, A., Veenstra-VanderWeele, J., Hardan, A. Y.
2016; 137: S124-35
 - **Individuals with Autism Spectrum Disorders Have Equal Success Rate But Require Longer Periods of Systematic Desensitization than Control Patients to Complete Ambulatory Polysomnography** *JOURNAL OF CLINICAL SLEEP MEDICINE*
Primeau, M., Gershon, A., Talbot, L., Cotto, I., Lotspeich, L., Hardan, A., Hallmayer, J., O'Hara, R.
2016; 12 (3): 357-362
 - **Pregnenolone in the Treatment of Irritability in Autism Spectrum Disorder: A Post-Hoc Metabolomic Analysis**
Fung, L., Sun, W., Libove, R., Tanaka, S., Kwa, L., Philips, J., Haddad, F., Rajadas, J., Hardan, A.
NATURE PUBLISHING GROUP.2015: S188
 - **Maladaptive Behavior in Autism Spectrum Disorder: The Role of Emotion Experience and Emotion Regulation.** *Journal of autism and developmental disorders*
Samson, A. C., Hardan, A. Y., Lee, I. A., Phillips, J. M., Gross, J. J.
2015; 45 (11): 3424-3432
 - **Quantitative autism symptom patterns recapitulate differential mechanisms of genetic transmission in single and multiple incidence families** *MOLECULAR AUTISM*
Frazier, T. W., Youngstrom, E. A., Hardan, A. Y., Georgiades, S., Constantino, J. N., Eng, C.
2015; 6
 - **Cerebrospinal fluid and plasma oxytocin concentrations are positively correlated and negatively predict anxiety in children** *MOLECULAR PSYCHIATRY*
Carson, D. S., Berquist, S. W., Trujillo, T. H., Garner, J. P., Hannah, S. L., Hyde, S. A., Sumiyoshi, R. D., Jackson, L. P., MOSS, J. K., Strehlow, M. C., Cheshier, S. H., Partap, S., Hardan, et al
2015; 20 (9): 1085-1090
 - **Pivotal Response Treatment Parent Training for Autism: Findings from a 3-Month Follow-Up Evaluation.** *Journal of autism and developmental disorders*
Gengoux, G. W., Berquist, K. L., Salzman, E., Schapp, S., Phillips, J. M., Frazier, T. W., Minjarez, M. B., Hardan, A. Y.
2015; 45 (9): 2889-2898
 - **Pivotal Response Treatment Parent Training for Autism: Findings from a 3-Month Follow-Up Evaluation** *JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS*
Gengoux, G. W., Berquist, K. L., Salzman, E., Schapp, S., Phillips, J. M., Frazier, T. W., Minjarez, M. B., Hardan, A. Y.
2015; 45 (9): 2889-2898
 - **Emotion regulation in autism spectrum disorder: evidence from parent interviews and children's daily diaries.** *Journal of child psychology and psychiatry, and allied disciplines*
Samson, A. C., Wells, W. M., Phillips, J. M., Hardan, A. Y., Gross, J. J.
2015; 56 (8): 903-913
 - **A randomized controlled trial of Pivotal Response Treatment Group for parents of children with autism.** *Journal of child psychology and psychiatry, and allied disciplines*
Hardan, A. Y., Gengoux, G. W., Berquist, K. L., Libove, R. A., Ardel, C. M., Phillips, J., Frazier, T. W., Minjarez, M. B.
2015; 56 (8): 884-892
 - **Arginine Vasopressin Is a Blood-Based Biomarker of Social Functioning in Children with Autism** *PLOS ONE*
Carson, D. S., Garner, J. P., Hyde, S. A., Libove, R. A., Berquist, S. W., Hornbeak, K. B., Jackson, L. P., Sumiyoshi, R. D., Howerton, C. L., Hannah, S. L., Partap, S., Phillips, J. M., Hardan, et al
2015; 10 (7)
 - **Developing Medications Targeting Glutamatergic Dysfunction in Autism: Progress to Date** *CNS DRUGS*
Fung, L. K., Hardan, A. Y.
2015; 29 (6): 453-463
 - **Emotion regulation in children and adolescents with autism spectrum disorder.** *Autism research*

- Samson, A. C., Hardan, A. Y., Podell, R. W., Phillips, J. M., Gross, J. J.
2015; 8 (1): 9-18
- **Emotion Regulation in Children and Adolescents With Autism Spectrum Disorder** *AUTISM RESEARCH*
Samson, A. C., Hardan, A. Y., Podell, R. W., Phillips, J. M., Gross, J. J.
2015; 8 (1): 9-18
 - **Arginine Vasopressin Is a Blood-Based Biomarker of Social Functioning in Children with Autism.** *PloS one*
Carson, D. S., Garner, J. P., Hyde, S. A., Libove, R. A., Berquist, S. W., Hornbeak, K. B., Jackson, L. P., Sumiyoshi, R. D., Howerton, C. L., Hannah, S. L., Partap, S., Phillips, J. M., Hardan, et al
2015; 10 (7)
 - **Developing Medications Targeting Glutamatergic Dysfunction in Autism: Progress to Date.** *CNS drugs*
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