



Karen J. Parker, PhD

Truong-Tan Broadcom Endowed Professor and Professor, by courtesy, of
Comparative Medicine

Psychiatry and Behavioral Sciences

 NIH Biosketch available Online

CONTACT INFORMATION

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Bio

BIO

Dr. Karen J. Parker is the inaugural Truong-Tan Broadcom Endowed Professor, Chair of the Major Laboratories Steering Committee, and Associate Chair for Research Strategy and Oversight, in the Department of Psychiatry and Behavioral Sciences at the Stanford University School of Medicine. She is also Professor, by courtesy, of Comparative Medicine at Stanford University.

Dr. Parker directs the Social Neurosciences Research Program, which seeks to advance understanding of the biological basis of social functioning across a range of species, and to translate these fundamental insights to drive diagnostic and treatment advances for patients with social difficulties. Her core research interests include: oxytocin and vasopressin signaling pathways, development of valid animal models for streamlined translation and clinical impact, and biomarker discovery and therapeutic testing in individuals with autism spectrum disorder.

Dr. Parker's research has been supported by the National Institutes of Health (NIH), Simons Foundation, and Department of Defense, published in leading scientific journals (e.g., Science Translational Medicine, PNAS, Nature Neuroscience, Molecular Psychiatry), and featured across diverse media outlets (e.g., NPR, CBS, New York Times, LA Times, Science, Scientific American, Huberman Lab podcast). Dr. Parker received her undergraduate and graduate degrees from the University of Michigan. She completed postdoctoral training at Stanford University and joined the Stanford faculty thereafter. She is an Affiliate Scientist at the California National Primate Research Center, an elected fellow of the American College of Neuropsychopharmacology (ACNP), and a Kavli fellow of the U.S. National Academy of Sciences. She has attended key opinion leader meetings at the U.S. National Academies, NIH, and private foundations, and has held leadership positions on international research advisory committees (e.g., Society for Neuroscience; ACNP).

ACADEMIC APPOINTMENTS

- Professor, Psychiatry and Behavioral Sciences
- Professor (By courtesy), Comparative Medicine
- Member, Bio-X
- Member, SPARK at Stanford
- Member, Maternal & Child Health Research Institute (MCHRI)

- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Associate Chair, Research Strategy and Oversight, Stanford Department of Psychiatry, (2019- present)
- Chair, Major Laboratories Steering Committee, Stanford Department of Psychiatry, (2019- present)
- Affiliate Scientist, California National Primate Research Center, (2012- present)

HONORS AND AWARDS

- Fellow, American College of Neuropsychopharmacology
- Chairman's Award for Advancing Science, Dept. of Psychiatry, Stanford University
- George A. Miller Award, American Psychological Association
- Kavli Fellow, U.S. National Academy of Sciences

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member of Scientific Advisory Board (Biomarkers Core), Emory National Primate Research Center, Emory University (2025 - present)
- Member of Inaugural Constitution, Rules, and Ethics Committee, American College of Neuropsychopharmacology (2024 - present)
- Member of Executive Advisory Board, Wisconsin National Primate Research Center, University of Wisconsin, Madison (2023 - present)
- Member of Executive Committee, Simian Collective (2022 - present)
- Faculty Advisor, BrainMind (2019 - present)
- Chair of Animal Research Committee, American College of Neuropsychopharmacology (2019 - 2020)
- Member of Committee on Animals in Research, Society for Neuroscience (2018 - 2022)
- Member of Animal Research Committee, American College of Neuropsychopharmacology (2017 - 2020)
- Member of Women's Task Force, American College of Neuropsychopharmacology (2017 - 2020)
- Editorial Board Member, Psychoneuroendocrinology (2013 - present)
- Member of BRLE Grant Review Panel, National Institutes of Health (2012 - 2018)

PROFESSIONAL EDUCATION

- Postdoctoral, Stanford University , Psychiatry Neuroscience
- Ph.D., University of Michigan , Biological Psychology
- A.B., University of Michigan , Psychology

LINKS

- Parker Lab Website: <http://med.stanford.edu/parkerlab.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

The principal goal of the Parker Lab Social Neurosciences Research Program at Stanford University is to better understand the biology of social functioning using an integrative, translational approach. Our behavioral research spans studies of individual differences in animal social development to studies of social cognition impairments in various clinical populations (e.g., in children with autism; in survivors of pediatric hypothalamic-pituitary tumors; in adults with depressive and anxiety disorders). Our biological studies employ epigenetic, gene expression, and neurotransmitter-based approaches to identify biomarkers of impaired social functioning, and we also conduct treatment trials to test the efficacy of novel pharmacotherapies to improve social abilities in animal models and in patients with social deficits. Our lab is particularly interested in testing whether "social" neuropeptide (e.g., oxytocin and

arginine vasopressin) signaling pathways are implicated in human and non-human primate social behavior, and whether these neuropeptide pathways are robust biomarkers of, and treatment targets for, social impairments in clinical populations.

CLINICAL TRIALS

- Intranasal Oxytocin Treatment for Social Deficits in Children With Autism, Not Recruiting
- Intranasal Vasopressin Treatment in Children With Autism, Not Recruiting
- The Role of Vasopressin in the Social Deficits of Autism, Not Recruiting

PROJECTS

- See Lab website for current projects: <http://med.stanford.edu/parkerlab.html> - Stanford University

Teaching

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Allison Morningstar

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Child Psychiatry (Fellowship Program)
- Laboratory Animal Science (Masters Program)
- Neurosciences (Phd Program)
- Psychiatry and Behavioral Science (Fellowship Program)

Publications

PUBLICATIONS

- **Cerebrospinal Fluid Vasopressin Concentration Is a Biomarker of Autistic Social Impairment and Hypothalamic Vasopressin Gene Expression in Humans.** *Autism research : official journal of the International Society for Autism Research*
Oztan, O., Zhu, C., Nguyen, D. K., West, R. B., Garner, J. P., Parker, K. J.
2026
- **When the science alone is not enough: embracing our responsibility as science communicators.** *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*
Aggarwal, N., France, L., Puralewski, R., Parker, K. J., Kalin, N.
2025
- **Stereotypy is strongly linked to multiple biomarkers of oxidative stress-A potential common etiology for Abnormal Repetitive Behaviors.** *PLoS one*
Codon, K. M., Beacham, K. J., Stix-Brunell, B. E., Moorhead, R., Byrd, K. A., Baker, J. N., Geronimo, J. T., Parker, K. J., Garner, J. P.
2025; 20 (11): e0326902
- **Science must break its silence to rebuild public trust.** *Nature neuroscience*
Miller, C. T., Basso, M. A., Batista, A. P., Gothard, K. M., Parker, K. J., Tsao, D. Y., Williams, Z. M., Platt, M. L.
2025
- **The Test of Auditory-Vocal Affect (TAVA) dataset.** *IEEE Workshop on Applications of Signal Processing to Audio and Acoustics : [proceedings]. IEEE Workshop on Applications of Signal Processing to Audio and Acoustics*
Gómez-Cañón, J. S., Noufi, C., Berger, J., Parker, K. J., Bowling, D. L.
2025; 2025
- **Oxytocin administration rescues the negative impacts of social isolation on wound healing in mice.** *Hormones and behavior*
Steele, S. R., Ratuski, A. S., Hui, E. I., Mahoney, B. S., Geronimo, J. T., Huss, M. K., Parker, K. J., Garner, J. P.

2025; 171: 105741

- **Nebulized vasopressin penetrates CSF and improves social cognition without inducing aggression in a rhesus monkey model of autism.** *Proceedings of the National Academy of Sciences of the United States of America*
Talbot, C. F., Oztan, O., Simmons, S. M., Trainor, C., Cenicerros, L. C., Nguyen, D. K., Del Rosso, L. A., Garner, J. P., Capitanio, J. P., Parker, K. J.
2024; 121 (49): e2418635121
- **Making bloodwork work: the impact of sample collection, processing, and storage on plasma glutathione measurement, and implications for translation.** *Translational psychiatry*
Codon, K. M., Nguyen, D. K., Moorhead, R., Stix-Brunell, B. E., Baker, J. N., Parker, K. J., Garner, J. P.
2024; 14 (1): 385
- **The Future of Nonhuman Primate Neuroscience: Peril or Possibilities?** *The Journal of neuroscience : the official journal of the Society for Neuroscience*
Basso, M. A., Batista, A. P., Chang, S. W., Gothard, K. M., Miller, C. T., Parker, K. J., Zimmermann, J.
2024; 44 (37)
- **Vasopressin deficiency: a hypothesized driver of both social impairment and fluid imbalance in autism spectrum disorder.** *Molecular psychiatry*
Clarke, L., Gesundheit, N., Sherr, E. H., Hardan, A. Y., Parker, K. J.
2024
- **Naturally occurring low sociality in female rhesus monkeys: A tractable model for autism or not?** *Molecular autism*
Oztan, O., Del Rosso, L. A., Simmons, S. M., Nguyen, D. K., Talbot, C. F., Capitanio, J. P., Garner, J. P., Parker, K. J.
2024; 15 (1): 8
- **Tales from the life and lab of a female social neuroscientist** *COMPREHENSIVE PSYCHONEUROENDOCRINOLOGY*
Parker, K. J.
2023; 16
- **Tales from the life and lab of a female social neuroscientist.** *Comprehensive psychoneuroendocrinology*
Parker, K. J.
2023; 16: 100202
- **Rhesus macaque social functioning is paternally, but not maternally, inherited by sons: potential implications for autism.** *Molecular autism*
Garner, J. P., Talbot, C. F., Del Rosso, L. A., McCowan, B., Kanthaswamy, S., Haig, D., Capitanio, J. P., Parker, K. J.
2023; 14 (1): 25
- **ACOUSTICALLY-DRIVEN PHONEME REMOVAL THAT PRESERVES VOCAL AFFECT CUES.** *Proceedings of the ... IEEE International Conference on Acoustics, Speech, and Signal Processing. ICASSP (Conference)*
Noufi, C., Berger, J., Frank, M., Parker, K., Bowling, D. L.
2023; 2023
- **Rhesus monkey sociality is stable across time and linked to variation in the initiation but not receipt of prosocial behavior.** *American journal of primatology*
Talbot, C. F., Madrid, J. E., Del Rosso, L. A., Capitanio, J. P., Garner, J. P., Parker, K. J.
2022: e23442
- **Reading the mind in the eyes in PTSD: Limited Moderation by the presence of a service dog.** *Journal of psychiatric research*
Woodward, S. H., Jamison, A. L., Khan, C., Gala, S., Bhowmick, C., Villasenor, D., Tamayo, G., Puckett, M., Parker, K. J.
2022; 155: 320-330
- **Linking oxytocin and arginine vasopressin signaling abnormalities to social behavior impairments in Prader-Willi syndrome.** *Neuroscience and biobehavioral reviews*
Oztan, O., Zyga, O., Stafford, D. E., Parker, K. J.
2022: 104870
- **Advances in human oxytocin measurement: challenges and proposed solutions.** *Molecular psychiatry*
Tabak, B. A., Leng, G., Szeto, A., Parker, K. J., Verbalis, J. G., Ziegler, T. E., Lee, M. R., Neumann, I. D., Mendez, A. J.
2022

- **Socio-behavioral dysfunction in disorders of hypothalamic-pituitary involvement: The potential role of disease-induced oxytocin and vasopressin signaling deficits.** *Neuroscience and biobehavioral reviews*
Clarke, L., Zyga, O., Pineo-Cavanaugh, P. L., Jeng, M., Fischbein, N. J., Partap, S., Katznelson, L., Parker, K. J.
2022: 104770
- **Leveraging a translational research approach to drive diagnostic and treatment advances for autism.** *Molecular psychiatry*
Parker, K. J.
2022
- **Oxytocin and the social facilitation of placebo effects.** *Molecular psychiatry*
Itskovich, E., Bowling, D. L., Garner, J. P., Parker, K. J.
2022
- **Characterizing Emotion Recognition and Theory of Mind Performance Profiles in Unaffected Siblings of Autistic Children** *FRONTIERS IN PSYCHOLOGY*
Uljarevic, M., Bott, N. T., Libove, R. A., Phillips, J. M., Parker, K. J., Hardan, A. Y.
2022; 12: 736324
- **Autism-associated biomarkers: test-retest reliability and relationship to quantitative social trait variation in rhesus monkeys.** *Molecular autism*
Oztan, O., Talbot, C. F., Argilli, E., Maness, A. C., Simmons, S. M., Mohsin, N., Del Rosso, L. A., Garner, J. P., Sherr, E. H., Capitanio, J. P., Parker, K. J.
2021; 12 (1): 50
- **Assessment of medical morbidities in a rhesus monkey model of naturally occurring low sociality.** *Autism research : official journal of the International Society for Autism Research*
Myers, A. K., Talbot, C. F., Del Rosso, L. A., Maness, A. C., Simmons, S. M., Garner, J. P., Capitanio, J. P., Parker, K. J.
2021
- **The factor structure of the macaque social responsiveness scale-revised predicts social behavior and personality dimensions.** *American journal of primatology*
Talbot, C. F., Maness, A. C., Capitanio, J. P., Parker, K. J.
2021: e23234
- **Long-term effects of intermittent early life stress on primate prefrontal-subcortical functional connectivity.** *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*
Yuan, R., Nechvatal, J. M., Buckmaster, C. L., Ayash, S., Parker, K. J., Schatzberg, A. F., Lyons, D. M., Menon, V.
2021
- **Complex Interplay Between Cognitive Ability and Social Motivation in Predicting Social Skill: A Unique Role for Social Motivation in Children With Autism.** *Autism research : official journal of the International Society for Autism Research*
Itskovich, E., Zyga, O., Libove, R. A., Phillips, J. M., Garner, J. P., Parker, K. J.
2020
- **Complex Interplay Between Cognitive Ability and Social Motivation in Predicting Social Skill: A Unique Role for Social Motivation in Children With Autism** *AUTISM RESEARCH*
Itskovich, E., Zyga, O., Libove, R. A., Phillips, J. M., Garner, J. P., Parker, K. J.
2020
- **ADVANCING AUTISM SPECTRUM DISORDER DETECTION AND TREATMENT: A TRANSLATIONAL APPROACH**
Parker, K. J.
ELSEVIER SCIENCE INC.2020: S321–S322
- **A psychometrically robust screening tool to rapidly identify socially impaired monkeys in the general population.** *Autism research : official journal of the International Society for Autism Research*
Talbot, C. F., Garner, J. P., Maness, A. C., McCowan, B., Capitanio, J. P., Parker, K. J.
2020
- **Variation, plasticity, and alternative mating tactics: Revisiting what we know about the socially monogamous prairie vole** *ADVANCES IN THE STUDY OF BEHAVIOR, VOL 52*
Madrid, J. E., Parker, K. J., Ophir, A. G.

edited by Naguib, M., Barrett, L., Healy, S. D., Podos, J., Simmons, L. W., Zuk, M.
2020; 52: 203–42

- **Neonatal CSF vasopressin concentration predicts later medical record diagnoses of autism spectrum disorder.** *Proceedings of the National Academy of Sciences of the United States of America*
Oztan, O. n., Garner, J. P., Constantino, J. N., Parker, K. J.
2020
- **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)
- **Nonlinear relationship between early life stress exposure and subsequent resilience in monkeys.** *Scientific reports*
Parker, K. J., Buckmaster, C. L., Hyde, S. A., Schatzberg, A. F., Lyons, D. M.
2019; 9 (1): 16232
- **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
- **Adaptive developmental plasticity in rhesus macaques: the serotonin transporter gene interacts with maternal care to affect juvenile social behaviour.** *Proceedings. Biological sciences*
Madrid, J. E., Mandalaywala, T. M., Coyne, S. P., Ahloy-Dallaire, J., Garner, J. P., Barr, C. S., Maestriperieri, D., Parker, K. J.
2018; 285 (1881)
- **Adaptive developmental plasticity in rhesus macaques: the serotonin transporter gene interacts with maternal care to affect juvenile social behaviour** *PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*
Madrid, J. E., Mandalaywala, T. M., Coyne, S. P., Ahloy-Dallaire, J., Garner, J. P., Barr, C. S., Maestriperieri, D., Parker, K. J.
2018; 285 (1881)
- **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)
- **Plasma anandamide concentrations are lower in children with autism spectrum disorder** *MOLECULAR AUTISM*
Karhson, 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
- **Vigilance for threat accounts for inter-individual variation in physiological responses to adversity in rhesus macaques: A cognition × environment approach.** *Developmental psychobiology*
Mandalaywala, T. M., Petrullo, L. A., Parker, K. J., Maestriperieri, D., Higham, J. P.
2017; 59 (8): 1031-1038
- **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
- **Preference for novel faces in male infant monkeys predicts cerebrospinal fluid oxytocin concentrations later in life.** *Scientific reports*
Madrid, J. E., Oztan, O., Sclafani, V., Del Rosso, L. A., Calonder, L. A., Chun, K., Capitanio, J. P., Garner, J. P., Parker, K. J.
2017; 7 (1): 12935
- **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): 8119-8124
- **Preference for novel faces in male infant monkeys predicts cerebrospinal fluid oxytocin concentrations later in life.** *Scientific Reports*
Madrid, J. E., Oztan, O., Sclafani, V., Del Rosso, L. A., Calonder, L. A., Chun, K., Capitanio, J. P., Garner, J. P., Parker, K. J.
2017: 12935
 - **Vigilance for threat accounts for inter-individual variation in physiological responses to adversity in rhesus macaques: A cognition × environment approach.** *Developmental Psychobiology*
Mandalaywala, T. M., Petrullo, L. A., Parker, K. J., Maestriperieri, D., Higham, J. P.
2017: 1031–38
 - **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
 - **Biomarker discovery for disease status and symptom severity in children with autism.** *Psychoneuroendocrinology*
Oztan, O. n., 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
 - **Effects of early life adversity on cortisol/salivary alpha-amylase symmetry in free-ranging juvenile rhesus macaques** *HORMONES AND BEHAVIOR*
Petrullo, L. A., Mandalaywala, T. M., Parker, K. J., Maestriperieri, D., Higham, J. P.
2016; 86: 78-84
 - **Early Predictors of Impaired Social Functioning in Male Rhesus Macaques (Macaca mulatta).** *PLoS one*
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2016; 11 (10)
 - **Endocannabinoid signaling in social functioning: an RDoC perspective.** *Translational Psychiatry*
Karhson, D. S., Hardan, A. Y., Parker, K. J.
2016
 - **Cup tool use by squirrel monkeys** *AMERICAN JOURNAL OF PRIMATOLOGY*
Buckmaster, C. L., Hyde, S. A., Parker, K. J., Lyons, D. M.
2015; 77 (12): 1323-1332
 - **Dopamine D4 receptor genotype variation in free-ranging rhesus macaques and its association with juvenile behavior.** *Behavioural brain research*
Coyne, S. P., Lindell, S. G., Clemente, J., Barr, C. S., Parker, K. J., Maestriperieri, D.
2015; 292: 50-55
 - **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
 - **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)
 - **Plasma vasopressin concentrations positively predict cerebrospinal fluid vasopressin concentrations in human neonates** *PEPTIDES*
Carson, D. S., Howerton, C. L., Garner, J. P., Hyde, S. A., Clark, C. L., Hardan, A. Y., Penn, A. A., Parker, K. J.
2014; 61: 12-16
 - **Physiological and behavioural responses to weaning conflict in free-ranging primate infants.** *Animal behaviour*

- Mandalaywala, T. M., Higham, J. P., Heistermann, M., Parker, K. J., Maestriperieri, D.
2014; 97: 241-247
- **Early Experience Affects the Strength of Vigilance for Threat in Rhesus Monkey Infants** *PSYCHOLOGICAL SCIENCE*
Mandalaywala, T. M., Parker, K. J., Maestriperieri, D.
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 - **Early experience affects the strength of vigilance for threat in rhesus monkey infants.** *Psychological science*
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 - **Plasma oxytocin concentrations and OXTR polymorphisms predict social impairments in children with and without autism spectrum disorder** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Parker, K. J., Garner, J. P., Libove, R. A., Hyde, S. A., Hornbeak, K. B., Carson, D. S., Liao, C., Phillips, J. M., Hallmayer, J. F., Hardan, A. Y.
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 - **Emotion dysregulation and the core features of autism spectrum disorder.** *Journal of autism and developmental disorders*
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 - **The three-hit concept of vulnerability and resilience: Toward understanding adaptation to early-life adversity outcome** *PSYCHONEUROENDOCRINOLOGY*
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 - **Distinct Plasma Profile of Polar Neutral Amino Acids, Leucine, and Glutamate in Children with Autism Spectrum Disorders** *JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS*
Tirouvanziam, R., Obukhanych, T. V., Laval, J., Aronov, P. A., Libove, R., Banerjee, A. G., Parker, K. J., O'Hara, R., Herzenberg, L. A., Herzenberg, L. A., Hardan, A. Y.
2012; 42 (5): 827-836
 - **Effects of intranasal oxytocin on social anxiety in males with fragile X syndrome** *PSYCHONEUROENDOCRINOLOGY*
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2012; 37 (4): 509-518
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Parker, K. J., Buckmaster, C. L., Lindley, S. E., Schatzberg, A. F., Lyons, D. M.
SAGE PUBLICATIONS LTD.2012: 45-52
 - **Hypothalamic-pituitary-adrenal axis physiology and cognitive control of behavior in stress inoculated monkeys.** *International journal of behavioral development*
Parker, K. J., Buckmaster, C. L., Lindley, S. E., Schatzberg, A. F., Lyons, D. M.
2012; 36 (1)
 - **Psychological Stress in Childhood and Susceptibility to the Chronic Diseases of Aging: Moving Toward a Model of Behavioral and Biological Mechanisms** *PSYCHOLOGICAL BULLETIN*
Miller, G. E., Chen, E., Parker, K. J.
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