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### Bio

#### LINKS

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

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### Publications

#### PUBLICATIONS

- **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., Ceniceros, L. C., Nguyen, D. K., Del Rosso, L. A., Garner, J. P., Capitanio, J. P., Parker, K. J.  
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- **Naturally occurring low sociality in female rhesus monkeys: A tractable model for autism or not?** *Molecular autism*  
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2024; 15 (1): 8
- **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
- **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.  
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- **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*  
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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  
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- **Cerebrospinal fluid vasopressin and symptom severity in children with autism.** *Annals of neurology*  
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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)
- **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  
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- **Intranasal oxytocin treatment for social deficits and biomarkers of response in children with autism.** *Proceedings of the National Academy of Sciences*  
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- **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.  
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- **Hippocampal Y2 receptor-mediated mossy fiber plasticity is implicated in nicotine abstinence-related social anxiety-like behavior in an outbred rat model of the novelty-seeking phenotype.** *Pharmacology, biochemistry, and behavior*  
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- **Nicotine-induced anxiety-like behavior in a rat model of the novelty-seeking phenotype is associated with long-lasting neuropeptidergic and neuroplastic adaptations in the amygdala: Effects of the cannabinoid receptor 1 antagonist AM251** *NEUROPHARMACOLOGY*  
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- **CHRONIC VARIABLE PHYSICAL STRESS DURING THE PERIPUBERTAL-JUVENILE PERIOD CAUSES DIFFERENTIAL DEPRESSIVE AND ANXIOGENIC EFFECTS IN THE NOVELTY-SEEKING PHENOTYPE: FUNCTIONAL IMPLICATIONS FOR HIPPOCAMPAL AND AMYGDALAR BRAIN-DERIVED NEUROTROPHIC FACTOR AND THE MOSSY FIBRE PLASTICITY** *NEUROSCIENCE*  
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- **Effects of a selective Y2R antagonist, JNJ-31020028, on nicotine abstinence-related social anxiety-like behavior, neuropeptide Y and corticotropin releasing factor mRNA levels in the novelty-seeking phenotype** *BEHAVIOURAL BRAIN RESEARCH*  
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- **Stressful environmental and social stimulation in adolescence causes antidepressant-like effects associated with epigenetic induction of the hippocampal BDNF and mossy fibre sprouting in the novelty-seeking phenotype** *NEUROSCIENCE LETTERS*  
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- **Vulnerability to nicotine abstinence-related social anxiety-like behavior: Molecular correlates in neuropeptide Y, Y2 receptor and corticotropin releasing factor** *NEUROSCIENCE LETTERS*  
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- **Effects of a cannabinoid receptor (CB) 1 antagonist AM251 on behavioral sensitization to nicotine in a rat model of novelty-seeking behavior: correlation with hippocampal 5HT** *PSYCHOPHARMACOLOGY*

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