

# 2011 Portfolio Analysis Projects

*Please note that data are not yet final; additional projects may be added.*

## QUESTION 2: HOW CAN I UNDERSTAND WHAT IS HAPPENING?

### 2.S.A

Support at least four research projects to identify mechanisms of fever, metabolic and/or immune system interactions with the central nervous system that may influence ASD during prenatal-postnatal life by 2010. *IACC Recommended Budget: \$9,800,000 over 4 years. (Fever studies to be started by 2012.)*

Project Title	Principal Investigator	Institution	Funding	Funder
<a href="#">Systematic characterization of the immune response to gluten and casein in autism spectrum disorders</a>	Alaedini, Armin	Weill Cornell Medical College	\$0.00	Department of Defense
<a href="#">Autoimmunity against novel antigens in neuropsychiatric dysfunction</a>	Balice-Gordon, Rita	University of Pennsylvania	\$320,000.00	National Institutes of Health
<a href="#">Primate models of autism</a>	Bauman, Melissa	University of California, Davis	\$75,629.00	National Institutes of Health
<a href="#">CNS toxicity of ambient air pollution: Postnatal exposure to ultrafine particles</a>	Cory-Slechta, Deborah	University of Rochester	\$229,433.00	National Institutes of Health
<a href="#">The pathogenesis of autism: Maternal antibody exposure in the fetal brain</a>	Diamond, Betty	The Feinstein Institute for Medical Research	\$93,500.00	Autism Speaks
<a href="#">A role for immune molecules in cortical connectivity: Potential implications for autism</a>	Elmer, Bradford	University of California, Davis	\$0.00	Autism Speaks
<a href="#">Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development</a>	Hepel, Maria	State University of New York at Potsdam	\$0.00	Department of Defense
<a href="#">Hyperthermia and the amelioration of autism symptoms</a>	Hollander, Eric	Montefiore Medical Center	\$0.00	Simons Foundation
<a href="#">How does IL-6 mediate the development of autism-related behaviors?</a>	Hsiao, Elaine	California Institute of Technology	\$28,000.00	Autism Speaks

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<a href="#">Exploring metabolic dysfunction in the brains of people with autism</a>	Hu, Valerie	George Washington University	\$59,856.00	Simons Foundation
<a href="#">Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development</a>	James, Sandra	Arkansas Children's Hospital Research Institute	\$0.00	Department of Defense
<a href="#">The Study of Toddlers with Autism and Regression (STAR) Protocol – Screening for treatable disorders and biomarkers of inflammation and immune activation in the plasma and CNS</a>	Loh, Alvin	Surrey Place Centre, Toronto	\$158,461.00	Health Resources and Services Administration
<a href="#">Prostaglandins and cerebellum development</a>	McCarthy, Margaret	University of Maryland, Baltimore	\$375,000.00	National Institutes of Health
<a href="#">Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development</a>	Noble, Mark	University of Rochester	\$0.00	Department of Defense
<a href="#">Maternal infection and autism: Impact of placental sufficiency and maternal inflammatory responses on fetal brain development</a>	Palmer, Theo	Stanford University	\$127,500.00	Autism Speaks
<a href="#">GABA(A) and prenatal immune events leading to autism</a>	Palmer, Theo	Stanford University	\$62,500.00	Simons Foundation
<a href="#">A non-human primate autism model based on maternal immune activation</a>	Patterson, Paul	University of California, Davis	\$75,629.00	National Institutes of Health
<a href="#">The mechanism of the maternal infection risk factor for autism</a>	Patterson, Paul	California Institute of Technology	\$0.00	Autism Speaks
<a href="#">A non-human primate autism model based on maternal infection</a>	Patterson, Paul	California Institute of Technology	\$200,000.00	Simons Foundation

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<a href="#">Influence of the maternal immune response on the development of autism</a>	Ponzio, Nicholas	University of Medicine & Dentistry of New Jersey	\$0.00	Autism Speaks
<a href="#">Influence of maternal cytokines during pregnancy on effector and regulatory T helper cells as etiological factors in autism</a>	Ponzio, Nicholas	University of Medicine & Dentistry of New Jersey	\$93,500.00	Autism Speaks
<a href="#">A primate model of gut, immune, and CNS response to childhood vaccines</a>	Sackett, Gene	University of Washington	\$156,634.00	National Institutes of Health
<a href="#">Mechanisms of mitochondrial dysfunction in autism</a>	Shoffner, John	Georgia State University	\$0.00	Department of Defense
<a href="#">Role of microglial activation in the serotonergic and neuroimmune disturbances underlying autism</a>	Takei, Nori	Hamamatsu University School of Medicine	\$0.00	Brain and Behavior Research Foundation
<a href="#">Investigation of IL-9, IL-33 and TSLP in serum of autistic children</a>	Theohardie S, Theoharis	Tufts University	\$8,650.00	Autism Research Institute

### **2.S.B**

Launch three studies that specifically focus on the neurodevelopment of females with ASD, spanning basic to clinical research on sex differences by 2011. *IACC Recommended Budget: \$8,900,000 over 5 years.*

<b>Project Title</b>	<b>Principal Investigator</b>	<b>Institution</b>	<b>Funding</b>	<b>Funder</b>
<a href="#">A sex-specific dissection of autism genetics</a>	Weiss, Lauren	University of California, San Francisco	\$150,000.00	National Institutes of Health

### **2.S.C**

Identify ways to increase awareness among the autism spectrum community of the potential value of brain and tissue donation to further basic research by 2011. *IACC Recommended Budget: \$1,400,000 over 2 years*

<b>Project Title</b>	<b>Principal Investigator</b>	<b>Institution</b>	<b>Funding</b>	<b>Funder</b>
<a href="#">Enhanced tissue procurement from autistic individuals</a>	Zielke, H.Ronald	NICHD (National Institute of Child Health & Human Development) Brain and Tissue Bank for	\$22,000.00	Autism Research Institute

Developmental  
Disorders, University  
of Maryland

## **2.S.D**

Launch three studies that target improved understanding of the underlying biological pathways of genetic conditions related to autism (e.g. Fragile X, Rett syndrome, tuberous sclerosis complex) and how these conditions inform risk assessment and individualized intervention by 2012. *IACC Recommended Budget: \$9,000,000 over 5 years.*

<b>Project Title</b>	<b>Principal Investigator</b>	<b>Institution</b>	<b>Funding</b>	<b>Funder</b>
<a href="#">Presynaptic fragile X proteins</a>	Akins, Michael	Brown University	\$90,000.00	National Institutes of Health
<a href="#">In-vivo imaging of neuronal structure and function in a reversible mouse model for autism.</a>	Ash, Ryan	Baylor College of Medicine	\$28,000.00	Autism Speaks
<a href="#">Autism phenotypes in Tuberous Sclerosis: Risk factors, features &amp; architecture</a>	Bolton, Patrick	King's College London	\$0.00	Autism Speaks
<a href="#">Functional circuit disorders of sensory cortex in ASD and RTT</a>	Carlson, Gregory	University of Pennsylvania	\$254,976.00	National Institutes of Health
<a href="#">Elucidation and rescue of amygdala abnormalities in the Fmr1 mutant mouse model of fragile X syndrome</a>	Corbin, Joshua	George Washington University	\$150,000.00	Autism Speaks
<a href="#">Synaptic phenotype, development, and plasticity in the fragile X mouse</a>	Cox, Charles	University of Illinois at Urbana Champaign	\$401,852.00	National Institutes of Health
<a href="#">The functional link between DISC1 and neuroligins: Two genetic factors in the etiology of autism</a>	DiDonato, Christine	Children's Memorial Hospital, Chicago	\$0.00	Department of Defense
<a href="#">Allelic choice in Rett syndrome</a>	Donohoe, Mary	Winifred Masterson Burke Medical Research Institute	\$390,481.00	National Institutes of Health
<a href="#">Activity-dependent phosphorylation of MeCP2</a>	Ebert, Daniel	Harvard Medical School	\$174,748.00	National Institutes of Health
<a href="#">Pleiotropic roles of dyslexia genes in neurodevelopmental language impairments</a>	Eicher, John	Yale University	\$41,800.00	National Institutes of Health

<a href="#">BDNF and the restoration of spine plasticity with autism spectrum disorders</a>	Gall, Christine	University of California, Irvine	\$490,756.00	National Institutes of Health
<a href="#">Mouse models of the neuropathology of tuberous sclerosis complex</a>	Gambello, Michael	University of Texas Health Science Center at Houston	\$253,177.00	National Institutes of Health
<a href="#">The microRNA pathway in translational regulation of neuronal development</a>	Gao, Fen-Biao	University of Massachusetts Medical School	\$352,647.00	National Institutes of Health
<a href="#">Cortical circuit changes and mechanisms in a mouse model of fragile X syndrome</a>	Gibson, Jay	University of Texas Southwestern Medical Center	\$278,656.00	National Institutes of Health
<a href="#">Neuronal activity-dependent regulation of MeCP2</a>	Greenberg, Michael	Harvard Medical School	\$426,857.00	National Institutes of Health
<a href="#">The role of UBE3A in autism</a>	Greenberg, Michael	Harvard Medical School	\$62,500.00	Simons Foundation
<a href="#">Genotype-phenotype relationships in fragile X families</a>	Hagerman, Randi	University of California, Davis	\$530,124.00	National Institutes of Health
<a href="#">Limbic system function in carriers of the fragile X premutation (supplement)</a>	Hessl, David	University of California, Davis	\$382,500.00	National Institutes of Health
<a href="#">Limbic system function in carriers of the fragile X premutation</a>	Hessl, David	University of California, Davis	\$677,700.00	National Institutes of Health
<a href="#">The role of intracellular metabotropic glutamate receptor 5 at the synapse</a>	Hogan, Carolyn	Washington University in St. Louis	\$26,338.00	National Institutes of Health
<a href="#">Development of novel diagnostics for fragile X syndrome</a>	Hosono, Seiyu	JS Genetics, Inc.	\$537,123.00	National Institutes of Health
<a href="#">Study of fragile X mental retardation protein in synaptic function and plasticity</a>	Huber, Kimberly	University of Texas Southwestern Medical Center	\$366,516.00	National Institutes of Health

<a href="#">Mechanisms of mGluR5 function and dysfunction in mouse autism models</a>	Huber, Kimberly	University of Texas Southwestern Medical Center	\$419,137.00	National Institutes of Health
<a href="#">Coordinated control of synapse development by autism-linked genes</a>	Huber, Kimberly	University of Texas Southwestern Medical Center	\$75,000.00	Simons Foundation
<a href="#">Mechanisms of synapse elimination by autism-linked genes</a>	Huber, Kimberly	University of Texas Southwestern Medical Center	\$75,000.00	Simons Foundation
<a href="#">Genetically defined stem cell models of Rett and fragile X syndrome</a>	Jaenisch, Rudolf	Whitehead Institute for Biomedical Research	\$112,500.00	Simons Foundation
<a href="#">Quantitative proteomic approach towards understanding and treating autism</a>	Jin, Peng	Emory University	\$75,000.00	Simons Foundation
<a href="#">TrkB agonist therapy for sensorimotor dysfunction in Rett syndrome</a>	Katz, David	Case Western Reserve University	\$0.00	Autism Speaks
<a href="#">MicroRNAs in synaptic plasticity and behaviors relevant to autism</a>	Kelleher, Raymond	Massachusetts General Hospital	\$131,220.00	National Institutes of Health
<a href="#">Regulation of 22q11 genes in embryonic and adult forebrain</a>	Lamantia, Anthony	The George Washington University	\$308,631.00	National Institutes of Health
<a href="#">The role of MeCP2 in Rett syndrome (supplement)</a>	LaSalle, Janine	University of California, Davis	\$38,273.00	National Institutes of Health
<a href="#">The role of MeCP2 in Rett syndrome</a>	LaSalle, Janine	University of California, Davis	\$329,781.00	National Institutes of Health
<a href="#">Modulation of fxr1 splicing as a treatment strategy for autism in fragile X syndrome</a>	Lin, Michael	Stanford University	\$0.00	Department of Defense
<a href="#">Revealing protein synthesis defects in fragile X syndrome with new chemical tools</a>	Lin, Michael	Stanford University	\$315,341.00	National Institutes of Health
<a href="#">Neurobiology of RAI1, the causal gene for Smith-Magenis syndrome</a>	Luo, Liqun	Stanford University	\$31,022.00	Simons Foundation
<a href="#">Mesocorticolimbic dopamine circuitry in mouse models of autism</a>	Malenka, Robert	Stanford University	\$87,337.00	Simons Foundation
<a href="#">Investigating the homeostatic role of MeCP2 in mature brain</a>	McGraw, Christopher	Baylor College of Medicine	\$35,400	National Institutes of Health
<a href="#">A stem cell based platform for identification of common defects in autism spectrum disorders</a>	Nazor, Kristopher	Scripps Research Institute	\$28,000.00	Autism Speaks

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<a href="#">Role of intracellular mGluR5 in fragile X syndrome and autism</a>	O'Malley, Karen	Washington University in St. Louis	\$150,000.00	Simons Foundation
<a href="#">L-type calcium channel regulation of neuronal differentiation</a>	Panagiotakos, Georgia	Stanford University	\$32,129.00	National Institutes of Health
<a href="#">Mouse models of human autism spectrum disorders: Gene targeting in specific brain regions</a>	Parada, Luis	University of Texas Southwestern Medical Center	\$300,000.00	Simons Foundation
<a href="#">Mechanism of UBE3A imprint in neurodevelopment</a>	Powell, Weston	University of California, Davis	\$33,616.00	National Institutes of Health
<a href="#">MeCP2 modulation of BDNF signaling: Shared mechanisms of Rett and autism</a>	Pozzo-Miller, Lucas	University of Alabama at Birmingham	\$314,059.00	National Institutes of Health
<a href="#">Identification of targets for the neuronal E3 ubiquitin ligase PAM</a>	Ramesh, Vijaya	Massachusetts General Hospital	\$60,000.00	Simons Foundation
<a href="#">Pathophysiology of MeCP2 spectrum disorders</a>	Ramocki, Melissa	Baylor College of Medicine	\$170,383.00	National Institutes of Health
<a href="#">Underlying mechanisms in a cerebellum-dependent model of autism</a>	Regehr, Wade	Harvard Medical School	\$0.00	Simons Foundation
<a href="#">Augmentation of the cholinergic system in fragile X syndrome: A double-blind placebo study</a>	Reiss, Allan	Stanford University	\$237,600.00	National Institutes of Health
<a href="#">Proteomics in <i>drosophila</i> to identify autism candidate substrates of UBE3A (supplement)</a>	Reiter, Lawrence	University of Tennessee Health Science Center	29,600.00	National Institutes of Health
<a href="#">Proteomics in <i>drosophila</i> to identify autism candidate substrates of UBE3A</a>	Reiter, Lawrence	University of Tennessee Health Science Center	\$313,159.00	National Institutes of Health
<a href="#">Emergence and stability of autism in fragile X syndrome</a>	Roberts, Jane	University of South Carolina	\$358,000.00	National Institutes of Health
<a href="#">Olfactory abnormalities in the modeling of Rett syndrome</a>	Ronnett, Gabriele	Johns Hopkins University	\$351,575.00	National Institutes of Health
<a href="#">A cerebellar mutant for investigating mechanisms of autism in Tuberous Sclerosis</a>	Sahin, Mustafa	Children's Hospital Boston	\$0.00	Autism Speaks
<a href="#">Sex differences in early brain development; Brain development in Turner syndrome</a>	Santelli, Rebecca	University of North Carolina at Chapel Hill	\$156,841.00	National Institutes of Health
<a href="#">New approaches to local translation: SpaceSTAMP of proteins synthesized in axons</a>	Segal, Rosalind	Dana-Farber Cancer Institute	\$246,254.00	National Institutes of Health
<a href="#">dFMRP and Caprin: Translational regulators of synaptic plasticity</a>	Sisson, John	University of Washington	\$12,768.00	National Institutes of Health

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<a href="#">Grammatical development in boys with fragile X syndrome and autism</a>	Sterling, Audra	University of Wisconsin - Madison	\$148,500.00	National Institutes of Health
<a href="#">Aberrant synaptic form and function due to TSC-mTOR-related mutation in autism spectrum disorders</a>	Sulzer, David	Columbia University	\$300,000.00	Simons Foundation
<a href="#">Aberrant synaptic function caused by TSC mutation in autism</a>	Sulzer, David	Columbia University	\$0.00	Simons Foundation
<a href="#">TrkB agonist(s), a potential therapy for autism spectrum disorders</a>	Sun, Yi	University of California, Los Angeles	\$269,500.00	National Institutes of Health
<a href="#">Investigation of protocadherin-10 in MEF2- and FMRP-mediated synapse elimination</a>	Tsai, Nien-Pei	University of Texas Southwestern Medical Center	\$51,326.00	National Institutes of Health
<a href="#">Probing a monogenic form of autism from molecules to behavior</a>	Tsien, Richard	Stanford University	\$187,500.00	Simons Foundation
<a href="#">Regulation of synapse elimination by FMRP</a>	Wilkerson, Julia	University of Texas Southwestern Medical Center	\$54,734.00	National Institutes of Health
<a href="#">Dysregulation of mTOR signaling in fragile X syndrome</a>	Zukin, R. Suzanne	Albert Einstein College of Medicine of Yeshiva University	\$403,767.00	National Institutes of Health
<a href="#">Genetic rescue of fragile X syndrome in mice by targeted deletion of PIKE</a>	Zukin, R. Suzanne	Albert Einstein College of Medicine of Yeshiva University	\$60,000.00	National Institutes of Health

## 2.S.E

Launch three studies that target the underlying biological mechanisms of co-occurring conditions with autism, including seizures/epilepsy, sleep disorders, wandering/elopement behavior, and familial autoimmune disorders, by 2012. *IACC Recommended Budget: \$9,000,000 over 5 years.*

Project Title	Principal Investigator	Institution	Funding	Funder
<a href="#">Single-unit recordings from the amygdala in people with autism</a>	Adolphs, Ralph	California Institute of Technology	\$54,000.00	Simons Foundation
<a href="#">Assessing sleep regulation, sleep-dependent memory consolidation, and sleep-dependent synaptic plasticity in mouse genetic models of schizophrenia and autism spectrum disorders</a>	Aton, Sara J.	University of Pennsylvania	\$0.00	Brain and Behavior Research Foundation
<a href="#">Epileptiform discharges and its relation to cognition and behavior in children with autism spectrum disorders</a>	Barnes, Gregory	Vanderbilt University	\$206,475.00	Health Resources and Services Administration

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<a href="#">Molecular mechanisms linking early life seizures, autism and intellectual disability</a>	Benke, Timothy	University of Colorado Denver	\$332,369.00	National Institutes of Health
<a href="#">Altered gastrointestinal function in the neuroligin-3 mouse model of autism</a>	Bornstein, Joel	University of Melbourne	\$50,434.00	Department of Defense
<a href="#">ACE Center: Structural and chemical brain imaging of autism</a>	Dager, Stephen	University of Washington	\$509,634.00	National Institutes of Health
<a href="#">Selective disruption of hippocampal dentate granule cells in autism: Impact of PTEN deletion</a>	Danzer, Steve	Cincinnati Children's Hospital Medical Center	\$367,500.00	National Institutes of Health
<a href="#">Gastrointestinal functions in autism</a>	Duffey, Michael	University at Buffalo, The State University of New York	\$0.00	Department of Defense
<a href="#">The role of mTOR inhibitors in the treatment of autistic symptoms in symptomatic infantile spasms</a>	Galanopoulou, Aristeia	Albert Einstein College of Medicine of Yeshiva University	\$60,000	Autism Speaks
<a href="#">Characterization of the sleep phenotype in adolescents and adults with autism spectrum disorder</a>	Goldman, Suzanne	Vanderbilt University	\$0.00	Autism Speaks
<a href="#">Neuroendocrine regulation of metabolism and neurocognition</a>	Han, Joan	National Institutes of Health	\$434,644.00	National Institutes of Health
<a href="#">Altered gastrointestinal function in the neuroligin-3 mouse model of autism</a>	Hill, Elisa	University of Melbourne	\$281,742.00	Department of Defense
<a href="#">Understanding the cognitive impact of early life epilepsy</a>	Jensen, Frances	Children's Hospital Boston	\$836,550.00	National Institutes of Health
<a href="#">Salivary melatonin as a biomarker for response to sleep interventions in children with autism</a>	Laudenslager, Mark	University of Colorado Denver	\$58,397.00	Autism Speaks
<a href="#">Etiology of sleep disorders in ASD: Role of inflammatory cytokines</a>	Mong, Jessica	University of Maryland, Baltimore	\$0.00	Department of Defense
<a href="#">Characterizing sleep disorders in autism spectrum disorder</a>	O'Hara, Ruth	Stanford University	\$112,064.50	Simons Foundation

<a href="#">Molecular components of A-type K+ channels</a>	Rudy, Bernardo	New York University School of Medicine	\$363,366.00	National Institutes of Health
<a href="#">Self-regulation and sleep in children at risk for autism spectrum disorders</a>	Schwichtenberg, Amy	University of California, Davis	\$90,000.00	National Institutes of Health
<a href="#">The effects of disturbed sleep on sleep-dependent memory consolidation and daily function in individuals with ASD</a>	Stickgold, Robert	Beth Israel Deaconess Medical Center	\$112,327.00	Autism Speaks
<a href="#">Treatment of medical conditions among individuals with autism spectrum disorders</a>	Swedo, Susan	National Institutes of Health	\$264,726.00	National Institutes of Health
<a href="#">Sensory mechanisms and self-injury</a>	Symons, Frank	University of Minnesota	\$392,262.00	National Institutes of Health
<a href="#">Functional neuroimaging of attention in autism</a>	Yerys, Benjamin	University of Pennsylvania/Children's Hospital of Philadelphia	\$234,240.00	National Institutes of Health
<a href="#">Altered gastrointestinal function in the neuroligin-3 mouse model of autism</a>	Young, Heather	University of Melbourne	\$69,813.00	Department of Defense

## **2.S.F**

Launch two studies that focus on prospective characterization of children with reported regression to investigate potential risk factors by 2012. *IACC Recommended Budget: \$4,500,000 over 5 years.*

Project Title	Principal Investigator	Institution	Funding	Funder
<a href="#">Vaccination with regression study</a>	Davis, Robert	Kaiser Permanente Georgia	\$0.00	Autism Speaks
<a href="#">Investigating the etiology of childhood disintegrative disorder</a>	Pelphrey, Kevin	Yale University	\$74,983.00	Simons Foundation
<a href="#">Neuroimmunologic investigations of autism spectrum disorders (ASD)</a>	Swedo, Susan	National Institutes of Health	\$264,726.00	National Institutes of Health

## 2.S.G

Support five studies that associate specific genotypes with functional or structural phenotypes, including behavioral and medical phenotypes (e.g., nonverbal individuals with ASD and those with cognitive impairments) by 2015. *IACC Recommended Budget: \$22,600,000 over 5 years.*

Project Title	Principal Investigator	Institution	Funding	Funder
<a href="#">Simons Variation in Individuals Project (VIP) Site</a>	Bernier, Raphael	University of Washington	\$465,813.00	Simons Foundation
<a href="#">The brain genomics superstruct project</a>	Buckner, Randy	President & Fellows of Harvard College	\$75,000.00	Simons Foundation
<a href="#">Simons Variation in Individuals Project (VIP) Imaging Analysis Site</a>	Buckner, Randy	Harvard University	\$28,560.00	Simons Foundation
<a href="#">Simons Variation in Individuals Project (Simons VIP) Principal Investigator Gift</a>	Chung, Wendy	Columbia University	\$48,731.00	Simons Foundation
<a href="#">Simons Variation in Individuals Project (VIP) Principal Investigator</a>	Chung, Wendy	Columbia University	\$20,272.00	Simons Foundation
<a href="#">Autistic traits: Life course &amp; genetic structure</a>	Constantino, John	Washington University	\$548,446.00	National Institutes of Health
<a href="#">ACE Center: Genetics of serotonin in autism: Neurochemical and clinical endophenotypes</a>	Cook, Edwin	University of Illinois at Chicago	\$378,379.00	National Institutes of Health
<a href="#">The genetic basis of mid-hindbrain malformations</a>	Dobyns, William	Seattle Children's Hospital	\$805,771.00	National Institutes of Health
<a href="#">Mechanisms for 5-HTT control of PPI and perseverative behavior using mouse models</a>	Dulawa, Stephanie	University of Chicago	\$375,589.00	National Institutes of Health
<a href="#">Simons Variation in Individuals Project (VIP) Recruitment Coordination Site</a>	Faucett, W. Andrew	Weis Center For Research - Geisinger Clinic	\$66,702.00	Simons Foundation
<a href="#">ACE Center: Genetics of language &amp; social communication: Connecting genes to brain &amp; cognition</a>	Geschwind, Daniel	University of California, Los Angeles	\$324,642.00	National Institutes of Health

<a href="#">Simons Variation in Individual Project (Simons VIP) Core Leader Gift</a>	Hanson, Ellen	Children's Hospital Boston	\$8,244.00	Simons Foundation
<a href="#">Simons Variation in Individuals Project (VIP) Site</a>	Hanson, Ellen	Children's Hospital Boston	\$509,875.00	Simons Foundation
<a href="#">A neuroimaging study of twin pairs with autism</a>	Hardan, Antonio	Stanford University	\$625,808.00	National Institutes of Health
<a href="#">Autism: Neuropeptide hormones and potential pathway genes</a>	Jacob, Suma	University of Illinois at Chicago	\$185,370.00	National Institutes of Health
<a href="#">Genetic dissection of restricted repetitive behavior (RRB)</a>	Kim, Soo-Jeong	University of Florida	\$22,813.00	National Institutes of Health
<a href="#">Genetic dissection of restricted repetitive behavior (RRB)</a>	Kim, Soo-Jeong	Seattle Children's Hospital	\$180,303.00	National Institutes of Health
<a href="#">Simons Variation in Individuals Project (VIP) Site</a>	Kochel, Robin	Baylor College of Medicine	\$406,581.00	Simons Foundation
<a href="#">fMRI evidence of genetic influence on rigidity in ASD</a>	Lee, Jillian	University of Michigan	\$0.00	Autism Speaks
<a href="#">Identifying the gene in 17q12 responsible for neuropsychiatric phenotypes</a>	Lese Martin, Christa	Emory University	\$92,640.00	Simons Foundation
<a href="#">Simons Variation in Individuals Project (Simons VIP)</a>	Lese Martin, Christa	Emory University	\$612,679.00	Simons Foundation
<a href="#">A family-genetic study of language in autism</a>	Losh, Molly	Northwestern University	\$389,948.00	National Institutes of Health
<a href="#">A multigenerational longitudinal study of language development: Insight from autism</a>	Losh, Molly	Northwestern University	\$0.00	National Science Foundation
<a href="#">A multigenerational longitudinal study of language development: Insight</a>	Losh, Molly	University of North Carolina at Chapel	\$0.00	National Science

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<a href="#">from autism</a>		Hill		Foundation
<a href="#">Neural correlates of restricted, repetitive behaviors in autism spectrum disorders</a>	Manoach, Dara	Massachusetts General Hospital	\$0.00	Department of Defense
<a href="#">An investigation of the overlap of autism and fragile X syndrome</a>	Martin, Gary	University of North Carolina at Chapel Hill	\$71,632.00	National Institutes of Health
<a href="#">Neural correlates of serotonin transporter gene polymorphisms and social impairment in ASD</a>	Monk, Christopher	University of Michigan	\$127,500.00	Autism Speaks
<a href="#">Language processing in children with 22q11 deletion syndrome and autism</a>	Ousley, Opal	Emory University	\$0.00	Simons Foundation
<a href="#">Longitudinal neurogenetics of atypical social brain development in autism</a>	Pelphrey, Kevin	Yale University	\$876,490.00	Simons Foundation
<a href="#">Neural circuitry of social cognition in the broad autism phenotype</a>	Piven, Joseph	University of North Carolina at Chapel Hill	\$405,855.00	National Institutes of Health
<a href="#">Social cognition in 22q11.2 deletion syndrom (DS) adolescents with ASD vs. without ASD: Imaging and genetic correlates</a>	Radoeva, Petya	State University of New York Upstate Medical University	\$28,000.00	Autism Speaks
<a href="#">Simons Variation in Individuals Project (VIP) Functional Imaging Site</a>	Roberts, Tim	Children's Hospital of Philadelphia	\$303,305.00	Simons Foundation
<a href="#">Simons Variation in Individuals Project (VIP) Structural Imaging and Phenotyping Site - SCAP-local</a>	Roberts, Tim	Children's Hospital of Philadelphia	\$0.00	Simons Foundation
<a href="#">Neural correlates of restricted, repetitive behaviors in autism spectrum disorders</a>	Santangelo, Susan	Massachusetts General Hospital	\$0.00	Department of Defense
<a href="#">Genome-wide identification of variants affecting early human brain development</a>	Santelli, Rebecca	University of North Carolina at Chapel Hill	\$504,632.00	National Institutes of Health
<a href="#">Relating copy number variants to head and brain size in neuropsychiatric disorders</a>	Sebat, Jonathan	University of California, San Diego	\$374,659.00	Simons Foundation
<a href="#">Simons Variation in Individuals Project (VIP) Functional Imaging Site</a>	Sherr, Elliott	University of California, San Francisco	\$320,196.00	Simons Foundation
<a href="#">Simons Variation in Individuals Project (VIP) Core Neuroimaging Support Site</a>	Sherr, Elliott	University of California, San Francisco	\$368,786.00	Simons Foundation
<a href="#">Simons Variation in Individuals Project (Simons VIP) Core Leader Gift</a>	Sherr, Elliott	University of California, San Francisco	\$12,980.00	Simons Foundation
<a href="#">Neurogenic growth factors in autism</a>	Vaccarino, Flora	Yale University	\$0.00	Autism Speaks
<a href="#">Simons Variation in Individuals Project (VIP) Statistical Core Site</a>	Vaughan, Roger	Columbia University	\$131,768.00	Simons Foundation

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<a href="#">Characterizing the genetic systems of autism through multi-disease analysis</a>	Wall, Dennis	Harvard Medical School	\$560,935.00	National Institutes of Health
<a href="#">Social processing, language, and executive functioning in twin pairs: Electrophysiological and behavioral endophenotypes</a>	Webb, Sara	University of Washington	\$150,000.00	Autism Speaks
<a href="#">ACE Center: Genetic contributions to endophenotypes of autism</a>	Wijsman, Ellen	University of Washington	\$563,757.00	National Institutes of Health
<a href="#">Functional imaging of flexibility in autism: Informed by SLC6A4</a>	Yerys, Benjamin	Children's Research Institute	\$132,748.00	National Institutes of Health

## 2.L.A

Complete a large-scale, multi-disciplinary, collaborative project that longitudinally and comprehensively examines how the biological, clinical, and developmental profiles of individuals, with a special emphasis on females, youths, and adults with ASD, change over time as compared to typically developing people by 2020. *IACC Recommended Budget: \$126,200,000 over 12 years.*

Project Title	Principal Investigator	Institution	Funding	Funder
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<a href="#">Longitudinal characterization of functional connectivity in autism</a>	Anderson, Jeffrey	University of Utah	\$182,352.00	National Institutes of Health
<a href="#">MRI study of brain development in school age children with autism</a>	Hazlett, Heather Cody	University of North Carolina at Chapel Hill	\$126,978.00	Autism Speaks
<a href="#">Investigation of the link between early brain enlargement and abnormal functional connectivity in autism spectrum disorders</a>	Kleinhans, Natalia	University of Washington	\$117,156.00	Autism Speaks
<a href="#">Pragmatic skills of young males and females with fragile X syndrome</a>	Martin, Gary	University of North Carolina at Chapel Hill	\$396,073.00	National Institutes of Health
<a href="#">20-year outcome of autism</a>	McMahon, William	University of Utah	\$150,000.00	Autism Speaks
<a href="#">Longitudinal characterization of functional connectivity in autism</a>	Anderson, Jeffrey	University of Utah	\$182,352.00	National Institutes of Health
<a href="#">MRI study of brain development in school age children with autism</a>	Hazlett, Heather Cody	University of North Carolina at Chapel Hill	\$126,978.00	Autism Speaks

<a href="#">Investigation of the link between early brain enlargement and abnormal functional connectivity in autism spectrum disorders</a>	Kleinhans, Natalia	University of Washington	\$117,156.00	Autism Speaks
<a href="#">Pragmatic skills of young males and females with fragile X syndrome</a>	Martin, Gary	University of North Carolina at Chapel Hill	\$396,073.00	National Institutes of Health
<a href="#">20-year outcome of autism</a>	McMahon, William	University of Utah	\$150,000.00	Autism Speaks

## 2.L.B

Launch at least three studies which evaluate the applicability of ASD phenotype and/or biological signature findings for performing diagnosis, risk assessment, or clinical intervention by 2015. *IACC Recommended Budget: \$7,200,000 over 5 years.*

Project Title	Principal Investigator	Institution	Funding	Funder
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<a href="#">The Brain Genomics Superstruct Project</a>	Buckner, Randy	Harvard University	\$0.00	Simons Foundation
<a href="#">Functional neuroimaging of psychopharmacologic intervention for autism</a>	Dichter, Gabriel	University of North Carolina at Chapel Hill	\$158,810.00	National Institutes of Health
<a href="#">A study of autism</a>	Krieger, Abba	University of Pennsylvania	\$291,461.00	Simons Foundation
<a href="#">Near-infrared spectroscopy studies of early neural signatures of autism</a>	Pelphrey, Kevin	Yale University	\$0.00	Autism Speaks

## 2.O

Not specific to any objective

Project Title	Principal Investigator	Institution	Funding	Funder
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<a href="#">Towards an endophenotype for amygdala dysfunction</a>	Adolphs, Ralph	California Institute of Technology	\$380,304.00	National Institutes of Health
<a href="#">Multimodal studies of executive function deficits in autism spectrum disorders</a>	Agam, Yigal	Massachusetts General Hospital	\$51,942.00	National Institutes of Health



<a href="#">Autism and the insula: Genomic and neural circuits</a>	Allman, John	California Institute of Technology	\$506,341.00	Simons Foundation
<a href="#">Time perception and timed performance in autism</a>	Allman, Melissa	Kennedy Krieger Institute	\$89,846.00	National Institutes of Health
<a href="#">Transcriptional responsiveness in lymphoblastoid cell lines</a>	Alter, Mark	University of Pennsylvania	\$52,863.00	Simons Foundation
<a href="#">Learning and compression in human working memory</a>	Alvarez, George	Harvard University	\$84,000.00	National Institutes of Health
<a href="#">Anatomy of primate amygdaloid complex</a>	Amaral, David	University of California, Davis	\$75,629.00	National Institutes of Health
<a href="#">Cortical microcircuit dysfunction as a result of MET deficiency: A link to autism</a>	Anderson, Charles	Northwestern University	\$33,955.00	National Institutes of Health
<a href="#">Glutamate signaling in children with autism spectrum disorder</a>	Ashwood, Paul	University of California, Davis	\$57,840	Autism Research Institute
<a href="#">Learning and plasticity in the human brain</a>	Baker, Christopher	National Institutes of Health	\$286,110	National Institutes of Health
<a href="#">Architecture of myelinated axons linking frontal cortical areas</a>	Barbas, Helen	Boston University	\$0.00	Autism Speaks
<a href="#">PI3K/mTOR signaling as a novel biomarker and therapeutic target in autism</a>	Bassell, Gary	Emory University	\$100,000.00	Autism Speaks
<a href="#">Eye movement dynamics in autism spectrum disorders</a>	Behrmann, Marlene	Carnegie Mellon University	\$42,350.00	Simons Foundation
<a href="#">Social and affective components of communication</a>	Bellugi, Ursula	Salk Institute For Biological Studies	\$298,757.00	National Institutes of Health
<a href="#">Taste, smell, and feeding behavior in autism: A quantitative traits study</a>	Bennetto, Loisa	University of Rochester	\$0.00	Autism Speaks

<a href="#">Taste, smell, and feeding behavior in autism: A quantitative traits study</a>	Bennetto, Loisa	University of Rochester	\$570,508.00	National Institutes of Health
<a href="#">Genetic studies of autism-related Drosophila neurexin and neuroligin</a>	Bhat, Manzoor	The University of North Carolina at Chapel Hill	\$137,500.00	Simons Foundation
<a href="#">Elucidation of the developmental role of Jakmip1, an autism-susceptibility gene</a>	Bomar, Jamee	University of California, Los Angeles	\$31,042.00	National Institutes of Health
<a href="#">Controlling interareal gamma coherence by optogenetics, pharmacology and behavior</a>	Buschman, Timothy	Massachusetts Institute of Technology	\$83,521.00	National Institutes of Health
<a href="#">Neurobehavioral investigation of tactile features in autism spectrum disorders</a>	Cascio, Carissa	Vanderbilt University	\$159,480.00	National Institutes of Health
<a href="#">Development of brain connectivity in autism</a>	Castellanos, Francisco Xavier; Lord, Catherine	New York University School of Medicine; University of Michigan	\$0.00	Autism Speaks
<a href="#">Neocortical mechanisms of categorical speech perception</a>	Chang, Edward	University of California, San Francisco	\$240,744.00	National Institutes of Health
<a href="#">Characterization of the pathological and biochemical markers that correlate to the clinical features of autism</a>	Chauhan, Abha	Research Foundation for Mental Hygiene, Inc.	\$0.00	Department of Defense
<a href="#">Corticothalamic circuit interactions in autism</a>	Chen, Chinfei	Boston Children's Hospital	\$50,000.00	Simons Foundation
<a href="#">The neural correlates of transient and sustained executive control in children with autism spectrum disorder</a>	Christ, Shawn	University of Missouri	\$0.00	Autism Speaks
<a href="#">Abnormal connectivity in autism</a>	Clark, Kristi A.	University of California, Los Angeles	\$15,000.00	Brain and Behavior Research Foundation
<a href="#">Cellular characterization of Caspr2</a>	Comoletti, Davide	University of California, San Diego	\$24,666.00	National Institutes of Health
<a href="#">Caspr2 as an autism candidate gene: A proteomic approach to function &amp; structure</a>	Comoletti, Davide	University of Medicine & Dentistry of New Jersey - Robert Wood Johnson Medical	\$312,000.00	National Institutes of Health

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		School		
<a href="#">Neuriglins and neurexins as autism candidate genes: Study of their association in synaptic connectivity</a>	Comoletti, Davide	University of California, San Diego	\$0.00	Autism Speaks
<a href="#">A neural model of fronto-parietal mirror neuron system dynamics</a>	Contreras-Vidal, Jose	University of Maryland	\$183,344.00	National Institutes of Health
<a href="#">ACE Center: Diffusion tensor MRI + histopathology of brain microstructure + fiber pathways</a>	Conturo, Thomas	University of Pittsburgh	\$1.00	National Institutes of Health
<a href="#">Psychobiological investigation of the socioemotional functioning in autism</a>	Corbett, Blythe	Vanderbilt University	\$347,305.00	National Institutes of Health
<a href="#">fMRI studies of neural dysfunction in autistic toddlers</a>	Courchesne, Eric	University of California, San Diego	\$546,393.00	National Institutes of Health
<a href="#">Atypical architecture of prefrontal cortex in young children with autism</a>	Courchesne, Eric	University of California, San Diego	\$565,183.00	Simons Foundation
<a href="#">Neural mechanisms of imitative behavior: Implications for mental health</a>	Cross, Kathryn	University of California, Los Angeles	\$32,696.00	National Science Foundation
<a href="#">Behavioral and neural correlates of reward motivation in children with autism spectrum disorders</a>	Damiano, Cara	University of North Carolina at Chapel Hill	\$27,554.00	Autism Speaks
<a href="#">ACE Center: Mirror neuron and reward circuitry in autism</a>	Dapretto, Mirella	University of California, Los Angeles	\$302,654.00	National Institutes of Health
<a href="#">Neurobiological mechanisms of insistence on sameness in autism</a>	D'Cruz, Anna-Maria	University of Illinois at Chicago	\$0.00	Autism Speaks
<a href="#">Functional analysis of EFR3A mutations associated with autism</a>	De Camilli, Pietro	Yale University	\$31,250.00	Simons Foundation
<a href="#">Self-injurious behavior: An animal model of an autism endophenotype</a>	Devine, Darragh	University of Florida	\$0.00	Department of Defense
<a href="#">Molecular mechanisms regulating synaptic strength</a>	DiAntonio, Aaron	Washington University	\$293,266.00	National Institutes of Health
<a href="#">CAREER: The role of prosody in word segmentation and lexical access</a>	Dilley, Laura	Michigan State University	\$0.00	National Science Foundation
<a href="#">Functional properties and directed connectivity in the face-processing network</a>	Engell, Andrew	Yale University	\$53,042.00	National Institutes of Health
<a href="#">EEG-based assessment of functional connectivity in autism</a>	Ewen, Joshua	Kennedy Krieger Institute	\$175,176.00	Autism Speaks
<a href="#">Molecular controls over callosal projection neuron subtype specification and diversity</a>	Fame, Ryan	Harvard University	\$41,800.00	National Institutes of Health

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<a href="#">GABAergic dysfunction in autism</a>	Fatemi, Seyyed	University of Minnesota	\$278,486.00	National Institutes of Health
<a href="#">Neural mechanisms of tactile sensation in rodent somatosensory cortex</a>	Feldman, Daniel	University of California, Berkeley	\$256,605.00	National Institutes of Health
<a href="#">Inhibitory mechanisms for sensory map plasticity in cerebral cortex</a>	Feldman, Daniel	University of California, Berkeley	\$320,399.00	National Institutes of Health
<a href="#">Enhancing neurobehavioural and clinical definitions in autism spectrum disorders</a>	Fielding, Joanne	Monash University	\$14,000.00	Brain & Behavior Research Foundation
<a href="#">Preference acquisition in children and adolescents with and without autism spectrum disorder</a>	Filliter, Jillian	Dalhousie University	\$28,000.00	Autism Speaks
<a href="#">The integration of interneurons into cortical microcircuits</a>	Fishell, Gordon	New York University School of Medicine	\$75,000.00	Simons Foundation
<a href="#">CAREER: Statistical models and classification of time-varying shape</a>	Fletcher, Preston Thomas	University of Utah	\$404,961.00	National Science Foundation
<a href="#">The role of FOX-1 in neurodevelopment and autistic spectrum disorder</a>	Fogel, Brent	University of California, Los Angeles	\$142,677.00	National Institutes of Health
<a href="#">Neural mechanisms underlying an extended multisensory temporal binding window in ASD</a>	Foss-Feig, Jennifer	Vanderbilt University	\$0.00	Autism Speaks
<a href="#">Dendritic organization within the cerebral cortex in autism</a>	Gabbott, Paul; Rezaie, Payam	The Open University	\$0.00	Autism Speaks
<a href="#">The role of CNTNAP2 in embryonic neural stem cell regulation</a>	Gaiano, Nicholas	Johns Hopkins University School of Medicine	\$75,000.00	Simons Foundation
<a href="#">Diffuse optical brain imaging</a>	Gandjbakhshe, Amir	National Institutes of Health	\$182,022.00	National Science Foundation
<a href="#">A functional genomic analysis of the cerebral cortex</a>	Geschwind, Daniel	University of California, Los Angeles	\$85,471.00	Simons Foundation
<a href="#">RI: Small: Addressing visual analogy problems on the raven's intelligence test</a>	Goel, Ashok	Georgia Tech Research Corporation	\$165,546.00	National Science Foundation
<a href="#">Collaborative research: The path to verb learning</a>	Golinkoff, Roberta	University of Delaware	\$0.00	National Science Foundation
<a href="#">Role of negative regulators of FGF signaling in frontal cortex development and autism</a>	Golonzhka, Olga	University of California, San Francisco	\$0.00	Brain & Behavior Research Foundation

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<a href="#">Monolingual and bilingual infants' sensitivity to agreement morphology in Spanish</a>	Gouvea, Ana	Florida International University	\$143,650.00	National Institutes of Health
<a href="#">Using fruit flies to map the network of autism-associated genes</a>	Greenspan, Ralph	University of California, San Diego	\$31,249.00	Simons Foundation
<a href="#">Face perception: Mapping psychological spaces to neural responses</a>	Grill-Spector, Kalanit	Stanford University	\$79,992.00	National Science Foundation
<a href="#">Communicative and emotional facial expression production in children with autism</a>	Grossman, Ruth	University of Massachusetts Medical School	\$171,215.00	National Institutes of Health
<a href="#">Identification of candidate genes at the synapse in autism spectrum disorders</a>	Gupta, Abha	Yale University	\$169,422.00	National Institutes of Health
<a href="#">Development of the functional neural systems for face expertise</a>	Haist, Frank	University of California, San Diego	\$505,729.00	National Institutes of Health
<a href="#">Cerebellar plasticity and learning in a mouse model of autism</a>	Hansel, Christian	University of Chicago	\$31,250.00	Simons Foundation
<a href="#">Neural systems for the extraction of socially-relevant information from faces</a>	Haxby, James	Dartmouth College	\$51,783.00	National Science Foundation
<a href="#">Canonical neural computation in autism spectrum disorders</a>	Heeger, David	New York University	\$200,717.00	Simons Foundation
<a href="#">Defining cells and circuits affected in autism spectrum disorders</a>	Heintz, Nathaniel	The Rockefeller University	\$669,298.00	Simons Foundation
<a href="#">Perturbed cortical patterning in autism</a>	Hevner, Robert	Seattle Children's Hospital	\$0.00	Simons Foundation
<a href="#">Integrative functions of the planum temporale</a>	Hickok, Gregory	University of California, Irvine	\$479,898.00	National Institutes of Health
<a href="#">Neural basis of cross-modal influences on perception</a>	Hillyard, Steven	University of California, San Diego	\$154,104.00	National Science Foundation
<a href="#">Collaborative research: The path to verb learning</a>	Hirsh-Pasek, Kathy	Temple University	\$0.00	National Science Foundation
<a href="#">Exploring the uncanny valley</a>	Hodgins, Jessica	Carnegie Mellon University	\$0.00	National Science Foundation
<a href="#">Structural brain differences between autistic and typically-developing siblings</a>	Hoelt, Fumiko	Stanford University	\$13,020.00	National Institutes of Health
<a href="#">Collaborative research: Learning complex auditory categories</a>	Holt, Lori	Carnegie Mellon University	\$0.00	National Science Foundation
<a href="#">Vasopressin receptor polymorphism and social cognition</a>	Hopkins, William	Agnes Scott College	\$373,005.00	National Institutes of Health

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<a href="#">Proteome and interaction networks in autism</a>	Howley, Peter	Harvard Medical School	\$31,250.00	Simons Foundation
<a href="#">Functional role of IL-6 in fetal brain development and abnormal behavior</a>	Hsiao, Elaine	California Institute of Technology	\$41,800.00	National Institutes of Health
<a href="#">Collaborative research: Modeling perception and memory: Studies in priming</a>	Huber, David	University of California, San Diego	\$90,145.67	National Science Foundation
<a href="#">High throughput screen for small molecule probes for neural network development</a>	Huganir, Richard	Johns Hopkins University	\$405,000.00	National Institutes of Health
<a href="#">Neurobiological signatures of audiovisual speech perception in children in ASD</a>	Irwin, Julia	Haskins Laboratories, Inc.	\$240,420.00	National Institutes of Health
<a href="#">Stimulus-driven attention deficits in autism</a>	Jiang, Yuhong	University of Minnesota	\$60,000.00	Simons Foundation
<a href="#">Macrocephalic autism: Exploring and exploiting the role of PTEN</a>	Johnston, Sean	University of Wisconsin - Madison	\$28,000.00	Autism Speaks
<a href="#">A comparative developmental connectivity study of face processing</a>	Joseph, Jane	Medical University of South Carolina	\$229,574.00	National Institutes of Health
<a href="#">Functional neuroanatomy of developmental changes in face processing</a>	Joseph, Jane	Medical University of South Carolina	\$291,933.00	National Institutes of Health
<a href="#">The neural basis of weak central coherence in autism spectrum disorders</a>	Jou, Roger J.	Yale University	\$13,040.00	Brain & Behavior Research Foundation
<a href="#">Engrailed genes and cerebellum morphology, spatial gene expression and circuitry</a>	Joyner, Alexandra	Memorial Sloan-Kettering Cancer Center	\$470,003.00	National Institutes of Health
<a href="#">ACE Center: Systems connectivity + brain activation: Imaging studies of language + perception</a>	Just, Marcel	University of Pittsburgh	\$426,284.00	National Institutes of Health
<a href="#">Neurexin-neuroligin trans-synaptic interaction in learning and memory</a>	Kandel, Eric	Columbia University	\$200,000.00	Simons Foundation
<a href="#">Role of neurexin in the amygdala and associated fear memory</a>	Kandel, Eric	Columbia University	\$25,000.00	Simons Foundation

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<a href="#">Retrograde synaptic signaling by Neurexin and Neuroligin in <i>C. elegans</i></a>	Kaplan, Joshua	Massachusetts General Hospital	\$250,000.00	Simons Foundation
<a href="#">MEG investigation of the neural substrates underlying visual perception in autism</a>	Kenet, Tal	Massachusetts General Hospital	\$128,798.00	Autism Speaks
<a href="#">Investigating brain connectivity in autism at the whole-brain level</a>	Kennedy, Daniel	California Institute of Technology	\$90,000.00	National Institutes of Health
<a href="#">Developing novel automated apparatus for studying battery of social behaviors in mutant mouse models for autism</a>	Kimchi, Tali	Weizmann Institute of Science	\$0.00	Department of Defense
<a href="#">Excessive cap-dependent translation as a molecular mechanism underlying ASD</a>	Klann, Eric	New York University	\$0.00	Department of Defense
<a href="#">Multimodal brain imaging in autism spectrum disorders</a>	Kleinhans, Natalia	University of Washington	\$167,832.00	National Institutes of Health
<a href="#">Role of GluK6 in cerebella circuitry development</a>	Kubera, Cathryn	Yale University	\$55,826.00	National Institutes of Health
<a href="#">Atypical late neurodevelopment in autism: A longitudinal MRI and DTI study (supplement)</a>	Lainhart, Janet	University of Utah	\$154,416.00	National Institutes of Health
<a href="#">Atypical late neurodevelopment in autism: A longitudinal MRI and DTI study</a>	Lainhart, Janet	University of Utah	\$469,620.00	National Institutes of Health
<a href="#">The microstructural basis of abnormal connectivity in autism</a>	Lainhart, Janet	University of Utah	\$332,991.00	National Institutes of Health
<a href="#">Development of face processing expertise</a>	Lee, Kang	University of Toronto	\$350,596.00	National Institutes of Health
<a href="#">Multiple systems in theory of mind development</a>	Leslie, Alan	Rutgers, The State University of New Jersey - New Brunswick	\$0.00	National Science Foundation
<a href="#">Function and structure adaptations in forebrain development</a>	Levitt, Pat	University of Southern California	\$541,770.00	National Institutes of Health
<a href="#">Neurodevelopmental mechanisms of social behavior</a>	Levitt, Pat	University of Southern California	\$198,063.00	National Institutes of Health



<a href="#">Neurobiological correlates of language dysfunction in autism spectrum disorders</a>	Lewine, Jeffrey	The Mind Research Network	\$535,464.00	National Institutes of Health
<a href="#">Synchronous activity in networks of electrically coupled cortical interneurons</a>	Lewis, Timothy	University of California, Davis	\$0.00	National Science Foundation
<a href="#">Roles of miRNAs in regulation of Foxp2 and in autism</a>	Li, XiaoChing	Louisiana State University	\$0.00	Brain & Behavior Research Foundation
<a href="#">Neurocognitive mechanisms underlying children's theory of mind development</a>	Liu, David	University of California, San Diego	\$74,160.00	National Institutes of Health
<a href="#">MTHFR functional polymorphism C677T and genomic instability in the etiology of idiopathic autism in simplex families</a>	Liu, Xudong	Queen's University	\$114,984.00	Department of Defense
<a href="#">Collaborative research: Learning complex auditory categories</a>	Lotto, Andrew	University of Arizona	\$0.00	National Science Foundation
<a href="#">Cochlear efferent feedback and hearing-in-noise perception in autism</a>	Luebke, Anne	University of Rochester	\$186,794.00	National Institutes of Health
<a href="#">Behavioral and neural responses to emotional faces in individuals with ASD</a>	Luyster, Rhiannon J.	Harvard University	\$14,935.00	Brain & Behavior Research Foundation
<a href="#">A developmental social neuroscience approach to perception-action relations</a>	Marshall, Peter	Temple University	\$0.00	National Science Foundation
<a href="#">The cognitive neuroscience of autism spectrum disorders</a>	Martin, Alex	National Institutes of Health	\$1,102,811.00	National Institutes of Health
<a href="#">Cellular density and morphology in the autistic temporal human cerebral cortex</a>	Martinez Cerdeno, Veronica	University of California, Davis	\$345,910.00	National Institutes of Health
<a href="#">Cognitive control of emotion in autism</a>	Mazefsky, Carla	University of Pittsburgh	\$103,256.00	National Institutes of Health

<a href="#">Social brain networks for the detection of agents and intentions</a>	McCarthy, Gregory	Yale University	\$413,750.00	National Institutes of Health
<a href="#">Ube3a requirements for structural plasticity of synapses</a>	McCoy, Portia	Univ of North Carolina	\$0.00	Autism Science Foundation
<a href="#">Neural underpinning of emotion perception and its disorders</a>	Meng, Ming	Dartmouth College	\$15,000.00	Brain & Behavior Research Foundation
<a href="#">Mathematical cognition in autism: A cognitive and systems neuroscience approach</a>	Menon, Vinod	Stanford University	\$657,886.00	National Institutes of Health
<a href="#">Decoding 'what' and 'who' in the auditory system of children with autism spectrum disorders</a>	Menon, Vinod	Stanford University	\$237,000.00	National Institutes of Health
<a href="#">Multimodal analyses of face processing in autism &amp; down syndrome</a>	Mitchell, Teresa	University of Massachusetts Medical School	\$182,882.00	National Institutes of Health
<a href="#">CDI-TYPE II: From language to neural representations of meaning</a>	Mitchell, Tom	Carnegie Mellon University	\$0.00	National Science Foundation
<a href="#">Alterations in brain-wide neuroanatomy in autism mouse models</a>	Mitra, Partha	Cold Spring Harbor Laboratory	\$0.00	Simons Foundation
<a href="#">Cerebellar modulation of frontal cortical function</a>	Mittleman, Guy	University of Memphis	\$309,686.00	National Institutes of Health
<a href="#">Linguistic perspective-taking in adults with high-functioning autism: Investigation of the mirror neuron system</a>	Mizuno, Akiko	Carnegie Mellon University	\$0.00	Autism Speaks
<a href="#">Sensory processing and integration in autism</a>	Molholm, Sophie	Albert Einstein College of Medicine of Yeshiva University	\$550,283.00	National Institutes of Health
<a href="#">Social behavior deficits in autism: Role of amygdala</a>	Mooney, Sandra	State University of New York Upstate Medical Center	\$92,074.00	Autism Speaks
<a href="#">HCC:Small:Computational studies of social nonverbal communication</a>	Morency, Louis-Philippe	University of Southern California	\$0.00	National Science Foundation

<a href="#">Neuroimaging of social perception</a>	Morris, James	University of Virginia	\$242,812.00	National Institutes of Health
<a href="#">fMRI studies of cerebellar functioning in autism</a>	Mosconi, Matthew	University of Illinois at Chicago	\$0.00	Autism Speaks
<a href="#">Motor control and cerebellar maturation in autism</a>	Mosconi, Matthew	University of Texas Southwestern Medical Center	\$157,148.00	National Institutes of Health
<a href="#">Novel approaches for investigating the neurology of autism: Detailed morphometric analysis and correlation with motor impairment</a>	Mostofsky, Stewart	Kennedy Krieger Institute	\$0.00	Autism Speaks
<a href="#">Motor skill learning in autism</a>	Mostofsky, Stewart	Kennedy Krieger Institute	\$412,236.00	National Institutes of Health
<a href="#">Behavioral and functional neuroimaging investigations of visual perception and cognition in autistics</a>	Mottron, Laurent	Université de Montréal	\$0.00	Autism Speaks
<a href="#">Linking local activity and functional connectivity in autism</a>	Mueller, Ralph-Axel	San Diego State University	\$365,655.00	National Institutes of Health
<a href="#">Cell adhesion molecules in CNS development</a>	Mueller, Ulrich	The Scripps Research Institute	\$535,691.00	National Institutes of Health
<a href="#">How autism affects speech understanding in multitaler environments</a>	Newman, Rochelle	University of Maryland, College Park	\$143,264.00	National Institutes of Health
<a href="#">Experience and cognitive development in infancy</a>	Oakes, Lisa	University of California, Davis	\$100,798.00	National Science Foundation
<a href="#">Infants' developing representation of object function</a>	Oakes, Lisa	University of California, Davis	\$0.00	National Science Foundation
<a href="#">Development of ventral stream organization</a>	O'Hearn, Kirsten	University of Pittsburgh	\$137,338.00	National Institutes of Health
<a href="#">Deciphering the function and regulation of AUTS2</a>	Oksenberg, Nir	University of California, San Francisco	\$28,000.00	Autism Speaks
<a href="#">White matter glial pathology in autism</a>	Ordway, Gregory	East Tennessee State University	\$145,689.00	Department of Defense

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<a href="#">Investigation of social brain circuits in mouse models of the 16p11.2 locus</a>	Osten, Pavel	Cold Spring Harbor Laboratory	\$87,500.00	Simons Foundation
<a href="#">Elucidating the function of class 4 semaphorins in GABAergic synapse formation</a>	Paradis, Suzanne	Brandeis University	\$337,818.00	National Institutes of Health
<a href="#">Behavioral and neural processing of faces and expressions in nonhuman primates</a>	Parr, Lisa	Emory University	\$435,600.00	National Institutes of Health
<a href="#">ACE Center: Disturbances of affective contact: Development of brain mechanisms for emotion</a>	Pelphrey, Kevin	University of Pittsburgh	\$157,294.00	National Institutes of Health
<a href="#">Synaptic processing in the basal ganglia</a>	Perkel, David	University of Washington	\$378,166.00	National Institutes of Health
<a href="#">Brain circuitry in simplex autism</a>	Petersen, Steven	Washington University in St. Louis	\$0.00	Simons Foundation
<a href="#">ACE Center: Imaging the autistic brain before it knows it has autism</a>	Pierce, Karen	University of California, San Diego	\$197,682.00	National Institutes of Health
<a href="#">Neural basis of empathy and its dysfunction in autism spectrum disorders (ASD)</a>	Platt, Michael	Duke University	\$0.00	Department of Defense
<a href="#">Diffusion tensor MR spectroscopic imaging in human brain</a>	Posse, Stefan	University of New Mexico Health Sciences Center	\$185,213.00	National Institutes of Health
<a href="#">Longitudinal neurodevelopment of auditory and language cortex in autism</a>	Prigge, Molly	University of Utah	\$27,942.00	National Institutes of Health
<a href="#">MET signaling in neural development and circuitry formation</a>	Qiu, Shenfeng	University of Southern California	\$83,810.00	National Institutes of Health
<a href="#">Neurologin, oxidative stress and autism</a>	Rand, James	Oklahoma Medical Research Foundation	\$75,000.00	Simons Foundation
<a href="#">Serotonin signal transduction in two groups of autistic patients</a>	Rasnick, Mark	University of Illinois at Chicago	\$0.00	Department of Defense
<a href="#">CAREER: Model-based fMRI of human object recognition</a>	Riesenhuber, Maximilian	Georgetown University	\$0.00	National Science Foundation

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<a href="#">CAREER: Integrative behavioural and neurophysiological studies of normal and autistic cognition using video game environments</a>	Robertson, Steven	Cornell University	\$0.00	National Science Foundation
<a href="#">Neural synchrony dysfunction of gamma oscillations in autism</a>	Rojas, Donald	University of Colorado Denver	\$265,073.00	National Institutes of Health
<a href="#">Frontostriatal synaptic dysfunction in a model of autism</a>	Rothwell, Patrick	Stanford University	\$48,398.00	National Institutes of Health
<a href="#">Regulation of activity-dependent ProSAP2 synaptic dynamics</a>	Rowan, Magali	Stanford University	\$33,879.00	National Institutes of Health
<a href="#">To study the relationship between decreased hepatocyte growth factor (HGF) and glutamate excitotoxicity in autistic children</a>	Russo, A.J.	Health Research Institute/Pfeiffer Treatment Center	\$7,228.00	Autism Research Institute
<a href="#">Perturbed activity-dependent plasticity mechanisms in autism</a>	Sabatini, Bernardo	Harvard Medical School	\$158,034.00	Simons Foundation
<a href="#">Multidimensional impact of pain on individuals and family functioning in ASD</a>	Samuel, Arthur	The Research Foundation of the State University of New York	\$13,000.00	Autism Research Institute
<a href="#">Multisensory integration in children with ASD</a>	Saron, Clifford	University of California, Davis	\$229,813.00	National Institutes of Health
<a href="#">Cross-modal interactions between vision and touch</a>	Sathian, Krishnankutty	Emory University	\$480,343.00	National Institutes of Health
<a href="#">Neural mechanisms for social cognition in autism spectrum disorders</a>	Saxe, Rebecca	Massachusetts Institute of Technology	\$112,523.00	Simons Foundation
<a href="#">CAREER: Typical and atypical development of brain regions for theory of mind</a>	Saxe, Rebecca	Massachusetts Institute of Technology	\$27,670.00	NSF
<a href="#">Collaborative research: RUI: Perceptual pick-up processes in interpersonal coordination</a>	Schmidt, Richard	College of the Holy Cross	\$0.00	National Science Foundation
<a href="#">Global &amp; targeted profiling of protein, phospho and O-GlcNAc to understand synapses</a>	Schoepfer, Alain	University of California, San Francisco	\$994.00	National Institutes of Health

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<a href="#">Typical and pathological cellular development of the human amygdala</a>	Schumann, Cynthia	University of California, Davis	\$383,750.00	National Institutes of Health
<a href="#">Behavioral and sensory evaluation of auditory discrimination in autism</a>	Serna, Richard	University of Massachusetts Medical School	\$178,529.00	National Institutes of Health
<a href="#">Glial control of neuronal receptive ending morphology</a>	Shaham, Shai	The Rockefeller University	\$418,275.00	National Institutes of Health
<a href="#">Are neuronal defects in the cerebral cortex linked to autism?</a>	Shi, Song-Hai	Memorial Sloan-Kettering Cancer Center	\$0.00	Autism Speaks
<a href="#">The effects of autism on the sign language development of deaf children</a>	Shield, Aaron	Boston University	\$47,210.00	National Institutes of Health
<a href="#">Autism spectrum disorders and the visual analysis of human motion</a>	Shiffrar, Maggie	Rutgers, The State University of New Jersey	\$125,000.00	Simons Foundation
<a href="#">Collaborative research: Modeling perception and memory: Studies in priming</a>	Shiffrin, Richard	Indiana University	\$0.00	National Science Foundation
<a href="#">fMRI study of reward responsiveness of children with autism spectrum disorder</a>	Shirinyan, David	University of California, Los Angeles	\$53,566.00	National Institutes of Health
<a href="#">Multisensory integration and temporal synchrony in autism</a>	Smith, Elizabeth	University of Rochester	\$35,100.00	National Institutes of Health
<a href="#">Metacognition in comparative perspective</a>	Smith, J. David	University at Buffalo, The State University of New York	\$210,896.00	National Institutes of Health
<a href="#">Cognitive control in autism</a>	Solomon, Marjorie	University of California, Davis	\$152,627.00	National Institutes of Health
<a href="#">Learning in autism spectrum disorders</a>	Solomon, Marjorie	University of California, Davis	\$0.00	Brain & Behavior Research Foundation
<a href="#">Computational characterization of language use in autism spectrum disorder</a>	Sproat, Richard	Oregon Health & Science University	\$759,606.00	National Institutes of Health

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<a href="#">ACE Center: Neuroimaging studies of connectivity in ASD</a>	Staib, Lawrence	Yale University	\$324,271.00	National Institutes of Health
<a href="#">Phonological processing in the autism spectrum</a>	Stewart, Mary	Heriot-Watt University	\$0.00	Autism Speaks
<a href="#">ACE Center: Development of categorization, facial knowledge in low &amp; high functioning autism</a>	Strauss, Mark	University of Pittsburgh	\$392,439.00	National Institutes of Health
<a href="#">Function of neurexins</a>	Sudhof, Thomas	Stanford University	\$466,651.00	National Institutes of Health
<a href="#">Function and dysfunction of neuroligins in synaptic circuits</a>	Sudhof, Thomas	Stanford University	\$450,000.00	Simons Foundation
<a href="#">ACE Center: Cognitive affective and neurochemical processes underlying is in autism</a>	Sweeney, John	University of Illinois at Chicago	\$378,379.00	National Institutes of Health
<a href="#">Using functional physiology to uncover the fundamental principles of visual cortex</a>	Tarr, Michael	Carnegie Mellon University	\$307,593.00	National Institutes of Health
<a href="#">Kinetics of drug macromolecule complex formation</a>	Taylor, Palmer	University of California, San Diego	\$712,920.00	National Institutes of Health
<a href="#">Attentional distribution and word learning in children with autism</a>	Tenenbaum, Elena	Brown University	\$0.00	Autism Science Foundation
<a href="#">Cognitive mechanisms of serially organized behavior</a>	Terrace, Herbert	Columbia University	\$346,928.00	National Institutes of Health
<a href="#">Imaging synaptic neurexin-neuroligin complexes by proximity biotinylation: Applications to the molecular pathogenesis of autism</a>	Thyagarajan, Amar	Massachusetts Institute of Technology	\$0.00	Autism Speaks
<a href="#">Imaging PTEN-induced changes in adult cortical structure and function in vivo</a>	Trachtenberg, Joshua	University of California, Los Angeles	\$300,339.00	National Institutes of Health
<a href="#">In vivo targeted gene silencing, a novel method</a>	Truitt, William	Indiana University-Purdue University Indianapolis	\$218,472.00	National Institutes of Health
<a href="#">Regulation of synaptogenesis by cyclin-dependent kinase 5</a>	Tsai, Li-Huei	Massachusetts Institute of Technology	\$180,264.00	Simons Foundation

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<a href="#">CAREER: Dissecting the neural mechanisms for face detection</a>	Tsao, Doris	California Institute of Technology	\$0.00	National Science Foundation
<a href="#">Structural and functional connectivity of large-scale brain networks in autism spectrum disorders</a>	Uddin, Lucina	Stanford University	\$168,978.00	National Institutes of Health
<a href="#">Role of micro-RNAs in ASD affected circuit formation and function</a>	Ullian, Erik	University of California, San Francisco	\$127,383.00	Autism Speaks
<a href="#">Functional anatomy of face processing in the primate brain</a>	Ungerleider, Leslie	National Institutes of Health	\$1,720,556.00	National Institutes of Health
<a href="#">Morphogenesis and function of the cerebral cortex</a>	Vaccarino, Flora	Yale University	\$409,613.00	National Institutes of Health
<a href="#">Neuroimaging of top-down control and bottom-up processes in childhood ASD</a>	Vaidya, Chandan	Georgetown University	\$386,859.00	National Institutes of Health
<a href="#">Neuropeptide regulation of juvenile social behaviors</a>	Veenema, Alexa	Boston College	\$14,755.00	Brain & Behavior Research Foundation
<a href="#">Novel computational methods for higher order diffusion MRI in autism</a>	Verma, Ragini	University of Pennsylvania	\$665,572.00	National Institutes of Health
<a href="#">Head-fixed recording of sensory learning in mouse autism models</a>	Wang, Samuel	Princeton University	\$60,000.00	Simons Foundation
<a href="#">Defining the dynamics of the default network with direct brain recordings and functional MRI</a>	Weaver, Kurt	University of Washington	\$144,317.00	National Institutes of Health
<a href="#">Physiology of attention and regulation in children with ASD and LD</a>	Webb, Sara	Seattle Children's Hospital	\$352,532.00	National Institutes of Health
<a href="#">Characterization of the pathological and biochemical markers that correlate to the clinical features of autism</a>	Wegiel, Jerzy	Research Foundation for Mental Hygiene, Inc.	\$0.00	Department of Defense
<a href="#">Dimensions of mind perception</a>	Wegner, Daniel	Harvard University	\$0.00	National Science Foundation

<a href="#">Neural basis of behavioral flexibility</a>	Weiss, Klaudiusz	Mount Sinai School of Medicine	\$360,214.00	National Institutes of Health
<a href="#">Neuroprotective effects of oxytocin receptor signaling in the enteric nervous system</a>	Welch, Martha	Columbia University	\$25,000.00	Autism Research Institute
<a href="#">Role of autism-susceptibility gene, CNTNAP2, in neural circuitry for vocal communication</a>	White, Stephanie	University of California, Los Angeles	\$0.00	Department of Defense
<a href="#">MEG investigation of phonological processing in autism</a>	Wilson, Lisa	University of Colorado Denver	\$0.00	Autism Speaks
<a href="#">Characterization of the pathological and biochemical markers that correlate to the clinical features of autism</a>	Wisniewski, Thomas	Research Foundation for Mental Hygiene, Inc.	\$0.00	Department of Defense
<a href="#">Action anticipation in infants</a>	Woodward, Amanda	University of Chicago	\$98,745.00	National Science Foundation
<a href="#">Imaging signal transduction in single dendritic spines</a>	Yasuda, Ryohei	Duke University	\$382,200.00	National Institutes of Health
<a href="#">Young development of a novel PET ligand for detecting oxytocin receptors in brain</a>	Young, Larry	Emory University	\$261,360.00	National Institutes of Health
<a href="#">Brain lipid rafts in cholesterol biosynthesis disorders</a>	Yu, Hongwei	Medical College of Wisconsin	\$60,480.00	National Institutes of Health
<a href="#">High-throughput DNA sequencing method for probing the connectivity of neural circuits at single-neuron resolution</a>	Zador, Anthony	Cold Spring Harbor Laboratory	\$430,650.00	National Institutes of Health
<a href="#">Statistical analysis of biomedical imaging data in curved space</a>	Zhu, Hongtu	University of North Carolina at Chapel Hill	\$326,619.00	National Institutes of Health
<a href="#">Functional analysis of neurexin IV in Drosophila</a>	Zipursky, Larry	University of California, Los Angeles	\$68,652.00	Simons Foundation
<a href="#">Towards an endophenotype for amygdala dysfunction</a>	Adolphs, Ralph	California Institute of Technology	\$380,304.00	National Institutes of Health
<a href="#">Multimodal studies of executive function deficits in autism spectrum disorders</a>	Agam, Yigal	Massachusetts General Hospital	\$51,942.00	National Institutes of Health

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<a href="#">Autism and the insula: Genomic and neural circuits</a>	Allman, John	California Institute of Technology	\$506,341.00	Simons Foundation
<a href="#">Time perception and timed performance in autism</a>	Allman, Melissa	Kennedy Krieger Institute	\$89,846.00	National Institutes of Health
<a href="#">Transcriptional responsiveness in lymphoblastoid cell lines</a>	Alter, Mark	University of Pennsylvania	\$52,863.00	Simons Foundation
<a href="#">Learning and compression in human working memory</a>	Alvarez, George	Harvard University	\$84,000.00	National Institutes of Health
<a href="#">Anatomy of primate amygdaloid complex</a>	Amaral, David	University of California, Davis	\$75,629.00	National Institutes of Health
<a href="#">Cortical microcircuit dysfunction as a result of MET deficiency: A link to autism</a>	Anderson, Charles	Northwestern University	\$33,955.00	National Institutes of Health
<a href="#">Glutamate signaling in children with autism spectrum disorder</a>	Ashwood, Paul	University of California, Davis	\$57,840.00	Autism Research Institute
<a href="#">Learning and plasticity in the human brain</a>	Baker, Christopher	National Institutes of Health	\$286,110.00	National Institutes of Health
<a href="#">Architecture of myelinated axons linking frontal cortical areas</a>	Barbas, Helen	Boston University	\$0.00	Autism Speaks
<a href="#">PI3K/mTOR signaling as a novel biomarker and therapeutic target in autism</a>	Bassell, Gary	Emory University	\$100,000.00	Autism Speaks
<a href="#">Eye movement dynamics in autism spectrum disorders</a>	Behrmann, Marlene	Carnegie Mellon University	\$42,350.00	Simons Foundation
<a href="#">Social and affective components of communication</a>	Bellugi, Ursula	Salk Institute For Biological Studies	\$298,757.00	National Institutes of Health
<a href="#">Taste, smell, and feeding behavior in autism: A quantitative traits study</a>	Bennetto, Loisa	University of Rochester	\$0.00	Autism Speaks
<a href="#">Taste, smell, and feeding behavior in autism: A quantitative traits study</a>	Bennetto, Loisa	University of Rochester	\$570,508.00	National Institutes of Health

<a href="#">Genetic studies of autism-related Drosophila neurexin and neuroligin</a>	Bhat, Manzoor	The University of North Carolina at Chapel Hill	\$137,500.00	Simons Foundation
<a href="#">The striatal circuitry underlying autistic-like behaviors</a>	Wells, Michael	Duke University	\$31,975.00	National Institutes of Health
<a href="#">Role of autism-susceptibility gene, CNTNAP2, in neural circuitry for vocal communication</a>	White, Stephanie	University of California, Los Angeles	\$0.00	Department of Defense
<a href="#">Modulation of RhoA signaling by the mRNA binding protein hnRNPQ1</a>	Williams, Kathryn	Emory University	\$30,912.00	National Institutes of Health
<a href="#">Characterization of the pathological and biochemical markers that correlate to the clinical features of autism</a>	Wisniewski, Thomas	Research Foundation for Mental Hygiene, Inc.	\$0.00	Department of Defense
<a href="#">A preliminary investigation of the neurobehavioral basis of sensory behavior in autism</a>	Wodka, Ericka	Kennedy Krieger Institute	\$10,000.00	Organization for Autism Research
<a href="#">Action anticipation in infants</a>	Woodward, Amanda	University of Chicago	\$102,258.00	National Science Foundation
<a href="#">Dynamic regulation of Shank3 and ASD</a>	Worley, Paul	Johns Hopkins University	\$646,316.00	National Institutes of Health
<a href="#">Bayesian variable selection in generalized linear models with missing variables</a>	Yang, Xiaowei	Hunter College (City University of New York)	\$95,377.00	National Institutes of Health
<a href="#">Imaging signal transduction in single dendritic spines</a>	Yasuda, Ryohei	Duke University	\$382,200.00	National Institutes of Health
<a href="#">Local connectivity in altered excitation/inhibition balance states</a>	Yizhar, Ofer	Weizmann Institute of Science	\$62,500.00	Simons Foundation
<a href="#">Young development of a novel PET ligand for detecting oxytocin receptors in brain (supplement)</a>	Young, Larry	Emory University	\$176,000.00	National Institutes of Health
<a href="#">Young development of a novel PET ligand for detecting oxytocin receptors in brain</a>	Young, Larry	Emory University	\$261,360.00	National Institutes of Health
<a href="#">High-throughput DNA sequencing method for probing the connectivity of neural circuits at single-neuron resolution</a>	Zador, Anthony	Cold Spring Harbor Laboratory	\$430,650.00	National Institutes of Health

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<a href="#">Novel regulatory network involving non-coding role of an ASD candidate gene PTEN</a>	Zheng, Deyou	Albert Einstein College of Medicine of Yeshiva University	\$208,750.00	National Institutes of Health
<a href="#">Statistical analysis of biomedical imaging data in curved space</a>	Zhu, Hongtu	University of North Carolina at Chapel Hill	\$326,619.00	National Institutes of Health
<a href="#">Functional analysis of neurexin IV in Drosophila</a>	Zipursky, Larry	University of California, Los Angeles	\$0.00	Simons Foundation
<a href="#">The role of neurexin IV in central nervous system development</a>	Zipursky, Larry	University of California, Los Angeles	\$100,466.00	Simons Foundation