

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Novel regulatory network involving non-coding role of an ASD candidate gene PTEN	\$240,480	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
National Institutes of Health	Monoallelic expression in neurons derived from induced pluripotent stem cells	\$404,100	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
National Institutes of Health	Modeling 5-HT-absorbing neurons in neuropathology of autism	\$200,400	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
National Institutes of Health	Sensory processing and integration in autism	\$524,517	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
National Institutes of Health	Dysregulation of mTOR signaling in fragile X syndrome	\$467,760	Q2.S.D	Albert Einstein College of Medicine of Yeshiva University
Autism Speaks	The role of mTOR inhibitors in the treatment of autistic symptoms in symptomatic infantile spasms	\$0	Q2.S.E	Albert Einstein College of Medicine of Yeshiva University
Autism Science Foundation	Addressing challenges to post-mortem tissue donation in families affected with autism	\$64,000	Q2.S.C	Autism Science Foundation
Simons Foundation	Building awareness of the value of brain tissue donation for autism research	\$360,525	Q2.S.C	Autism Science Foundation
Simons Foundation	Hippocampal mechanisms of social learning in animal models of autism	\$62,500	Q2.Other	Baylor College of Medicine
Department of Defense - Army	The role of the new mTOR complex, mTORC2, in autism spectrum disorders	\$0	Q2.Other	Baylor College of Medicine
Simons Foundation	Multisensory processing in autism	\$0	Q2.Other	Baylor College of Medicine
Autism Speaks	TMLHE deficiency and a carnitine hypothesis for autism	\$60,000	Q2.S.D	Baylor College of Medicine
Simons Foundation	Motor cortex plasticity in MeCP2 duplication syndrome	\$125,000	Q2.S.D	Baylor College of Medicine
Simons Foundation	Simons Variation in Individuals Project (VIP) Site	\$316,306	Q2.S.G	Baylor College of Medicine
National Institutes of Health	Mutations associated with carnitine deficiency: risk factor for regression in ASD	\$78,650	Q2.S.F	Baylor College of Medicine
National Institutes of Health	High throughput sequencing of autism spectrum disorder (ASD) endophenotypes	\$39,432	Q2.S.G	Baylor College of Medicine
National Institutes of Health	Neurobiological mechanism of 15q11-13 duplication autism spectrum disorder	\$367,304	Q2.S.D	Beth Israel Deaconess Medical Center
National Institutes of Health	Neurobiology of aggression co-morbidity in mouse model of idic15 autism	\$261,000	Q2.S.E	Beth Israel Deaconess Medical Center
Autism Speaks	The effects of disturbed sleep on sleep-dependent memory consolidation and daily function in individuals with ASD	\$0	Q2.S.E	Beth Israel Deaconess Medical Center
Simons Foundation	Corticothalamic circuit interactions in autism	\$200,000	Q2.Other	Boston Children's Hospital
Autism Speaks	Understanding the etiological significance of attentional disengagement in infants at-risk for ASD	\$49,000	Q2.L.A	Boston Children's Hospital
Simons Foundation	Characterization of infants and toddlers with the 16p copy-number variation	\$149,372	Q2.S.G	Boston Children's Hospital

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National Institutes of Health	Mechanisms Underlying the Cerebellar Contribution to Autism in Mouse Models of Tu	\$190,458	Q2.S.D	Boston Children's Hospital
National Institutes of Health	MRI biomarkers of patients with tuberous sclerosis complex and autism	\$720,276	Q2.S.D	Boston Children's Hospital
Simons Foundation	Role of microglia and complement at developing synapses in ASD	\$122,500	Q2.S.A	Boston Children's Hospital
Simons Foundation	Probing synaptic receptor composition in mouse models of autism	\$249,995	Q2.S.D	Boston Children's Hospital
Autism Speaks	A cerebellar mutant for investigating mechanisms of autism in Tuberous Sclerosis	\$149,967	Q2.S.D	Boston Children's Hospital
Simons Foundation	Simons Variation in Individuals Project (VIP) Site	\$624,864	Q2.S.G	Boston Children's Hospital
Brain & Behavior Research Foundation	Neuropeptide regulation of juvenile social behaviors	\$14,775	Q2.Other	Boston College
National Institutes of Health	Artifacts as windows to other minds: Social reasoning in typical and ASD children	\$49,214	Q2.Other	Boston University
National Institutes of Health	The effects of autism on the sign language development of deaf children	\$53,942	Q2.Other	Boston University
National Institutes of Health	Semaphorin4D and PlexinB1 mediate GABAergic synapse development in mammalian CNS	\$27,814	Q2.Other	Brandeis University
National Institutes of Health	Elucidating the function of class 4 semaphorins in GABAergic synapse formation	\$325,130	Q2.Other	Brandeis University
Simons Foundation	Role of the 16p11.2 CNV in autism: genetic, cognitive and synaptic/circuit analyses	\$0	Q2.S.G	Broad Institute, Inc.
National Institutes of Health	Genetic-imaging study of obsessive compulsive behavior in autism	\$360,826	Q2.Other	Brown University
Simons Foundation	Role of endosomal NHE6 in brain connectivity and autism	\$62,500	Q2.Other	Brown University
Simons Foundation	Linking genetic mosaicism, neural circuit abnormalities and behavior	\$62,500	Q2.S.D	Brown University
National Institutes of Health	Development of vision and attention in typical and ASD individuals	\$305,682	Q2.S.G	Brown University
National Science Foundation	CAREER: Dissecting the neural mechanisms for face detection	\$0	Q2.Other	California Institute of Technology
Simons Foundation	Autism and the insula: Genomic and neural circuits	\$0	Q2.Other	California Institute of Technology
National Institutes of Health	The computational basis of theory of mind in the human brain	\$130,695	Q2.Other	California Institute of Technology
Brain & Behavior Research Foundation	Investigating brain organization and activation in autism at the whole-brain level	\$30,000	Q2.Other	California Institute of Technology

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Autism Speaks	The mechanism of the maternal infection risk factor for autism	\$150,000	Q2.S.A	California Institute of Technology
Autism Speaks	Single-unit recordings in neurosurgical patients with autism	\$56,900	Q2.S.E	California Institute of Technology
Simons Foundation	Direct recording from autism brains	\$120,148	Q2.S.E	California Institute of Technology
National Science Foundation	CDI-TYPE II: From language to neural representations of meaning	\$0	Q2.Other	Carnegie Mellon University
Simons Foundation	Reliability of Sensory-Evoked Activity in Autism Spectrum Disorders- Project 1	\$0	Q2.L.B	Carnegie Mellon University
Simons Foundation	Unreliability of neuronal responses in mouse models of autism	\$62,500	Q2.Other	Carnegie Mellon University
Autism Research Institute	Using high definition fiber tracking to define developmental neurobiologic mechanisms & a neural basis for behavioral heterogeneity	\$0	Q2.Other	Carnegie Mellon University
Simons Foundation	Impact of NR2B mutations on NMDA receptors and synapse formation	\$60,000	Q2.Other	Case Western Reserve University
Simons Foundation	ERK signaling in autism associated with copy number variation of 16p11.2	\$0	Q2.Other	Case Western Reserve University
Simons Foundation	Identification of genes responsible for a genetic cause of autism	\$125,000	Q2.Other	Case Western Reserve University
Autism Speaks	TrkB agonist therapy for sensorimotor dysfunction in Rett syndrome	\$141,976	Q2.S.D	Case Western Reserve University
National Institutes of Health	Functional connectivity in autism spectrum disorders	\$251,250	Q2.Other	Children's Hospital of Philadelphia
National Institutes of Health	Testing the hyperspecificity hypothesis: A neural theory of autism	\$189,836	Q2.Other	Children's Hospital of Philadelphia
National Institutes of Health	Structural and functional neuroimaging of the auditory system in autism	\$157,938	Q2.Other	Children's Hospital of Philadelphia
Simons Foundation	Simons Variation in Individuals Project (Simons VIP) Functional Imaging Site and Structural Imaging/Phenotyping Site	\$0	Q2.S.G	Children's Hospital of Philadelphia
National Institutes of Health	Phenotypic characterization of MECP2 mice	\$64,742	Q2.S.D	Children's Hospital of Philadelphia
Simons Foundation	Characterizing 22q11.2 abnormalities	\$62,498	Q2.S.D	Children's Hospital of Philadelphia
Department of Defense - Army	AUTISM AND OBESITY: CO-OCCURRING CONDITIONS OR DRUG SIDE EFFECTS?	\$99,820	Q2.S.E	Children's Mercy Hospital
Brain & Behavior Research Foundation	Activity-dependent Mechanisms of Visual Circuit Formation	\$0	Q2.Other	Children's Research Institute (CRI) Children's National Medical Center
National Institutes of Health	Selective disruption of hippocampal dentate granule cells in autism: Impact of PT	\$396,897	Q2.S.E	Cincinnati Children's Hospital Medical Center
Brain & Behavior Research Foundation	The PI3K Catalytic Subunit p110delta as Biomarker and Therapeutic Target in Autism and Schizophrenia	\$0	Q2.Other	Cincinnati Children's Hospital Medical Center University of Cincinnati

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Autism Speaks	Testing the ribosomal protein S6 as treatment target and biomarker in autism spectrum disorders	\$60,000	Q2.S.D	Cincinnati Childrens Hospital Medical Center
National Institutes of Health	The neural bases of top-down attentional control in autism spectrum disorders	\$27,578	Q2.Other	City College of New York
National Institutes of Health	Pragmatics and semantics in autism spectrum disorder	\$27,487	Q2.Other	City University of New York Graduate School and University Center
Simons Foundation	Behavioral and cognitive characteristics of females and males with autism	\$0	Q2.S.B	Cleveland Clinic Foundation
National Institutes of Health	Astrocyte function in genetic mouse models of autism spectrum disorders	\$394,063	Q2.S.D	Cleveland Clinic Lerner College of Medicine, Case Western Reserve University
Simons Foundation	Alterations in brain-wide neuroanatomy in autism mouse models	\$300,000	Q2.Other	Cold Spring Harbor Laboratory
Simons Foundation	Social brain circuits and fever-evoked response in 16p11.2 mice	\$87,500	Q2.Other	Cold Spring Harbor Laboratory
Simons Foundation	Investigation of social brain circuits and fever-evoked response in 16p11.2 mice	\$0	Q2.Other	Cold Spring Harbor Laboratory
National Institutes of Health	Cell adhesion molecules in autism: A whole-brain study of genetic mouse models	\$448,320	Q2.Other	Cold Spring Harbor Laboratory
Simons Foundation	Auditory cortical plasticity in a mouse model of Rett syndrome	\$43,501	Q2.S.D	Cold Spring Harbor Laboratory
Brain & Behavior Research Foundation	Understanding the Genetic Architecture of Rett Syndrome - an Autism Spectrum Disorder	\$0	Q2.S.D	Cold Spring Harbor Laboratory
Simons Foundation	Neurexin-neuroigin trans-synaptic interaction in learning and memory	\$100,000	Q2.Other	Columbia University
National Institutes of Health	Mitochondrial dysfunction due to aberrant mTOR-regulated mitophagy in autism	\$183,568	Q2.S.A	Columbia University
Simons Foundation	Role of neurexin in the amygdala and associated fear memory	\$0	Q2.Other	Columbia University
Simons Foundation	Modeling alteration of RBFOX1 (A2BP1) target network in autism	\$60,000	Q2.Other	Columbia University
Simons Foundation	Investigation of a possible role of the protocadherin gene cluster in autism	\$150,000	Q2.Other	Columbia University
Autism Research Institute	Neuroprotective effects of oxytocin receptor signaling in the enteric nervous system	\$0	Q2.Other	Columbia University
National Institutes of Health	Phagocytosis is misregulated in a Drosophila model of Fragile X syndrome	\$47,232	Q2.S.D	Columbia University
Simons Foundation	Aberrant synaptic form and function due to TSC-mTOR-related mutation in autism spectrum disorders	\$150,000	Q2.S.D	Columbia University

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Autism Speaks	Molecular analysis of gene-environment interactions in the intestines of children with autism	\$150,000	Q2.S.E	Columbia University
Simons Foundation	Simons Variation in Individuals Project (VIP) Statistical Core Site	\$221,381	Q2.S.G	Columbia University
Simons Foundation	Simons Variation in Individuals Project (VIP) Principal Investigator	\$123,623	Q2.S.G	Columbia University
National Science Foundation	CAREER: Integrative behavioural and neurophysiological studies of normal and autistic cognition using video game environments	\$0	Q2.Other	Cornell University
National Institutes of Health	Assessment of glutamate delta-1 receptor in mental disorders	\$218,250	Q2.Other	Creighton University
Autism Speaks	Preference acquisition in children and adolescents with and without autism spectrum disorder	\$0	Q2.Other	Dalhousie University
National Institutes of Health	Transcriptional control of inhibitory synapse formation	\$353,295	Q2.Other	Dana-Farber Cancer Institute
National Institutes of Health	New approaches to local translation: SpaceSTAMP of proteins synthesized in axons	\$401,927	Q2.S.D	Dana-Farber Cancer Institute
Brain & Behavior Research Foundation	Neural underpinning of emotion perception and its disorders	\$15,000	Q2.Other	Dartmouth College
National Institutes of Health	The impact of Pten signaling on neuronal form and function	\$375,706	Q2.Other	Dartmouth College
National Institutes of Health	Presynaptic Fragile X Proteins	\$249,000	Q2.S.D	Drexel University
National Institutes of Health	The striatal circuitry underlying autistic-like behaviors	\$31,975	Q2.Other	Duke University
National Institutes of Health	Analysis of Shank3 complete and temporal and spatial specific knockout mice	\$408,192	Q2.Other	Duke University
National Institutes of Health	Neuronal basis of vicarious reinforcement dysfunction in autism spectrum disorder	\$297,527	Q2.Other	Duke University
Brain & Behavior Research Foundation	Dissecting Reciprocal CNVs Associated With Autism	\$0	Q2.Other	Duke University
Brain & Behavior Research Foundation	Engagement of Social Cognitive Networks during Game Play in Autism	\$0	Q2.Other	Duke University
Autism Science Foundation	The Role of Shank3 in Neocortex Versus Striatum and the Pathophysiology of Autism	\$25,000	Q2.S.G	Duke University
Department of Defense - Army	PRECURSORS TO THE DEVELOPMENT OF ANXIETY DISORDERS IN YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER	\$589,750	Q2.S.E	Duke University

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Department of Defense - Army	PRECURSORS TO THE DEVELOPMENT OF ANXIETY DISORDERS IN YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER	\$173,826	Q2.S.E	Duke University
National Institutes of Health	Animal model of genetics and social behavior in autism spectrum disorders	\$658,361	Q2.S.G	Duke University
Simons Foundation	Mapping functional neural circuits that mediate social behaviors in autism	\$62,500	Q2.Other	Duke University Medical Center
Department of Defense - Army	White matter glial pathology in autism	\$0	Q2.Other	East Tennessee State University
National Science Foundation	MRI: Acquisition of an Infrared Eye Tracker to Study the Emergence, Use, Loss, and Requisition of Communication Skills	\$41,575	Q2.Other	Emerson College
National Institutes of Health	Verbal/non-verbal asynchrony in adolescents with high-functioning autism	\$402,978	Q2.Other	Emerson College
National Institutes of Health	ACE Center: Ontogeny and neural basis of social visual engagement in monkeys	\$304,370	Q2.Other	Emory University
National Institutes of Health	ACE Center: Predicting risk and resilience in ASD through social visual engagement	\$226,068	Q2.L.B	Emory University
Simons Foundation	Identification and analysis of ASD patients with PI3K/mTOR signalopathies	\$66,500	Q2.Other	Emory University
National Institutes of Health	Behavioral and neural processing of faces and expressions in nonhuman primates	\$334,541	Q2.Other	Emory University
National Institutes of Health	Modulation of RhoA signaling by the mRNA binding protein hnRNPQ1	\$30,912	Q2.S.D	Emory University
Simons Foundation	Language processing in children with 22q11 deletion syndrome and autism	\$0	Q2.S.G	Emory University
Simons Foundation	Simons Variation in Individuals Project (Simons VIP)	\$372,288	Q2.S.G	Emory University
Simons Foundation	The role of UBE3A in autism: Is there a critical window for social development?	\$54,450	Q2.S.D	Erasmus University Medical Center
Department of Defense - Army	MATERNAL BRAIN-REACTIVE ANTIBODIES AND AUTISM SPECTRUM DISORDER	\$190,577	Q2.S.A	Feinstein Institute for Medical Research
National Institutes of Health	Monolingual and bilingual infants' sensitivity to agreement morphology in Spanish	\$137,605	Q2.Other	Florida International University
Autism Speaks	Foundation Associates agreement (BrainNet)	\$250,000	Q2.S.C	Foundation Associates, LLC
National Institutes of Health	Molecular mechanisms of electrical synapse formation in vivo	\$90,000	Q2.Other	Fred Hutchinson Cancer Research Center
Simons Foundation	Identifying the gene in 17q12 responsible for neuropsychiatric phenotypes	\$228,375	Q2.S.G	Geisinger Clinic
Simons Foundation	Simons Variation in Individuals Project (VIP) Recruitment Core and Phase 2 Coordination Site	\$168,626	Q2.S.G	Geisinger Clinic, Weis Center for Research

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Autism Speaks	Functional Connectivity during Working Memory in Children with ASD: A NIRS Study	\$29,500	Q2.Other	Georgetown University
National Institutes of Health	Neuroimaging of top-down control and bottom-up processes in childhood ASD	\$371,791	Q2.Other	Georgetown University
Autism Speaks	Elucidation and rescue of amygdala abnormalities in the Fmr1 mutant mouse model of fragile X syndrome	\$0	Q2.S.D	George Washington University
Simons Foundation	Exploring metabolic dysfunction in the brains of people with autism	\$0	Q2.S.A	George Washington University
National Science Foundation	Gesture as a forerunner of linguistic change-insights from autism	\$385,000	Q2.L.A	Georgia State University
National Institutes of Health	Vasopressin receptor polymorphism and social cognition	\$310,085	Q2.Other	Georgia State University
Department of Defense - Army	Mechanisms of mitochondrial dysfunction in autism	\$0	Q2.S.A	Georgia State University
National Science Foundation	RI: Small: Addressing visual analogy problems on the raven's intelligence test	\$0	Q2.Other	Georgia Tech Research Corporation
National Institutes of Health	The social brain in schizophrenia and autism spectrum disorders	\$498,431	Q2.Other	Hartford Hospital
Autism Research Institute	To Determine Epidermal growth factor (EGF) and EGF Receptor Plasma Concentration and It's Relationship to Hepatocyte Growth Factor (HGF), GABA Levels and Symptom Severity in Autistic Children	\$4,500	Q2.S.A	Hartwick College
Autism Research Institute	Urokinase-type plasminogen activator plasma concentration and its relationship to hepatocyte growth factor (HGF) and GABA levels in autistic children	\$0	Q2.Other	Hartwick College
Autism Research Institute	To study the relationship between low GAD2 levels and anti-GAD antibodies in autistic children	\$0	Q2.S.A	Hartwick College
Simons Foundation	Protein interaction networks in autism	\$62,500	Q2.Other	Harvard Medical School
National Institutes of Health	A novel essential gene for human cognitive function	\$47,232	Q2.S.D	Harvard Medical School
National Institutes of Health	Analysis of MEF2 in cortical connectivity and autism-associated behaviors	\$49,214	Q2.S.D	Harvard Medical School
Simons Foundation	The role of UBE3A in autism	\$250,001	Q2.S.D	Harvard Medical School
National Institutes of Health	Characterizing the genetic systems of autism through multi-disease analysis	\$503,306	Q2.S.G	Harvard Medical School
Brain & Behavior Research Foundation	Behavioral and neural responses to emotional faces in individuals with ASD	\$29,871	Q2.Other	Harvard University
Autism Speaks	Neural Correlates of Imitation in Children with Autism and their Unaffected Siblings	\$28,600	Q2.L.B	Harvard University

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Simons Foundation	The Brain Genomics Superstruct Project	\$150,000	Q2.L.B	Harvard University
Simons Foundation	Simons Variation in Individuals Project (VIP) Imaging Analysis Site	\$159,805	Q2.S.G	Harvard University
Autism Speaks	A system-level approach for discovery of phenotype specific genetic variation in ASD	\$29,500	Q2.S.G	Hebrew University
Brain & Behavior Research Foundation	Brain-behavior interactions and visuospatial expertise in autism: a window into the neural basis of autistic cognition	\$14,800	Q2.Other	Hospital Riviere-des-Praires, University of Montreal, Canada
National Institutes of Health	Bayesian variable selection in generalized linear models with missing variables	\$229,953	Q2.Other	Hunter College (City University of New York)
Simons Foundation	Multigenic basis for autism linked to 22q13 chromosomal region	\$250,000	Q2.S.D	Hunter College of the City University of New York (CUNY) jointly with Research Foundation of CUNY
National Institutes of Health	Investigating brain connectivity in autism at the whole-brain level	\$232,307	Q2.Other	Indiana University
Brain & Behavior Research Foundation	Identification and Functional Analysis of Risk Genes for Autistic Macrocephaly	\$0	Q2.S.G	Institute of Psychiatry/King's College London
Brain & Behavior Research Foundation	The role of the GRIP protein complex in AMPA receptor trafficking and autism spectrum disorders	\$15,000	Q2.Other	Johns Hopkins University
National Institutes of Health	Dysfunction of sensory inhibition in autism	\$258,134	Q2.Other	Johns Hopkins University
National Institutes of Health	High throughput screen for small molecule probes for neural network development	\$388,800	Q2.Other	Johns Hopkins University
National Institutes of Health	Dynamic regulation of Shank3 and ASD	\$604,587	Q2.Other	Johns Hopkins University
Autism Speaks	GABAergic dysfunction in autism	\$50,000	Q2.Other	Johns Hopkins University
Autism Speaks	Why are autistic females rare and severe? An approach to autism gene identification.	\$28,600	Q2.S.B	Johns Hopkins University
National Institutes of Health	Olfactory abnormalities in the modeling of Rett syndrome	\$339,270	Q2.S.D	Johns Hopkins University
Simons Foundation	Role of LIN28/let-7 axis in autism	\$62,500	Q2.Other	Johns Hopkins University School of Medicine
Organization for Autism Research	A preliminary investigation of the neurobehavioral basis of sensory behavior in autism	\$20,000	Q2.Other	Kennedy Krieger Institute
National Institutes of Health	EEG-based assessment of functional connectivity in autism	\$175,176	Q2.Other	Kennedy Krieger Institute
Autism Speaks	Understanding the brain basis of impaired imitation learning in autism	\$56,900	Q2.Other	Kennedy Krieger Institute
Autism Speaks	In-vivo MRS assay of brain glutamate-GABA balance and drug response in autism	\$58,561	Q2.L.B	King's College London
Autism Speaks	Autism phenotypes in Tuberous Sclerosis: Risk factors, features & architecture	\$149,999	Q2.S.D	King's College London

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National Institutes of Health	Study of health outcomes in children with autism and their families	\$496,440	Q2.Other	Lewin Group, Inc.
Brain & Behavior Research Foundation	Roles of miRNAs in regulation of Foxp2 and in autism	\$15,000	Q2.Other	Louisiana State University
Simons Foundation	Altered sensorimotor processing in a mouse model of autism	\$60,000	Q2.Other	Louisiana State University School of Veterinary Medicine
Simons Foundation	Retrograde synaptic signaling by Neurexin and Neuroligin in <i>C. elegans</i>	\$125,000	Q2.Other	Massachusetts General Hospital
Autism Speaks	Classifying autism etiology by expression networks in neural progenitors and differentiating neurons	\$149,999	Q2.Other	Massachusetts General Hospital
Simons Foundation	Analysis of autism linked genes in <i>C. elegans</i>	\$62,500	Q2.Other	Massachusetts General Hospital
Simons Foundation	Molecular signatures of autism genes and the 16p11.2 deletion	\$62,500	Q2.Other	Massachusetts General Hospital
Simons Foundation	Local functional connectivity in the brains of people with autism	\$108,297	Q2.L.B	Massachusetts General Hospital
National Institutes of Health	Functional connectivity substrates of social and non-social deficits in ASD	\$719,629	Q2.Other	Massachusetts General Hospital
Autism Research Institute	3 Tesla 31Phosphorus magnetic resonance spectroscopy in disorder with abnormal bioenergetics	\$0	Q2.Other	Massachusetts General Hospital
National Institutes of Health	MicroRNAs in synaptic plasticity and behaviors relevant to autism	\$131,220	Q2.S.D	Massachusetts General Hospital
Simons Foundation	Translational dysregulation in autism pathogenesis and therapy	\$125,000	Q2.S.D	Massachusetts General Hospital
National Institutes of Health	The genomic bridge project (GBP)	\$158,206	Q2.S.G	Massachusetts General Hospital
National Science Foundation	CAREER: Typical and atypical development of brain regions for theory of mind	\$148,521	Q2.Other	Massachusetts Institute of Technology
National Institutes of Health	Using <i>Drosophila</i> to characterize the molecular pathogenesis of autism	\$234,000	Q2.Other	Massachusetts Institute of Technology
National Institutes of Health	Behavioral, fMRI, and anatomical MRI investigations of attention in autism	\$49,214	Q2.Other	Massachusetts Institute of Technology
National Institutes of Health	Shank3 in synaptic function and autism	\$385,200	Q2.Other	Massachusetts Institute of Technology
National Institutes of Health	Impairments of theory of mind disrupt patterns of brain activity	\$308,160	Q2.Other	Massachusetts Institute of Technology
National Institutes of Health	Brain bases of language deficits in SLI and ASD	\$583,471	Q2.Other	Massachusetts Institute of Technology
Brain & Behavior Research Foundation	Role of Serotonin Signaling during Neural Circuitry Formation in Autism Spectrum Disorders	\$0	Q2.S.D	Massachusetts Institute of Technology

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Simons Foundation	Probing the neural basis of social behavior in mice	\$125,000	Q2.S.D	Massachusetts Institute of Technology
National Institutes of Health	Imaging signal transduction in single dendritic spines	\$449,208	Q2.Other	Max Planck Florida Corporation
Brain & Behavior Research Foundation	Perturbation of Excitatory Synapse Formation in Autism Spectrum Disorders	\$0	Q2.Other	Max Planck Florida Institute for Neuroscience
Simons Foundation	Functional analysis of EPHB2 mutations in autism	\$124,950	Q2.Other	McLean Hospital
Simons Foundation	Connections between autism, serotonin and hedgehog signaling	\$124,401	Q2.S.D	Medical Research Council-National Institute for Medical Research
Simons Foundation	CNTNAP2 regulates production, migration and organization of cortical neurons	\$62,496	Q2.Other	Memorial Sloan-Kettering Cancer Center
National Science Foundation	CAREER: The role of prosody in word segmentation and lexical access	\$0	Q2.Other	Michigan State University
National Institutes of Health	Time Perception and Timed Performance in Autism	\$248,938	Q2.Other	Michigan State University
Autism Research Institute	Denritic Cell Function in Autism	\$26,920	Q2.S.A	MIND Institute
Brain & Behavior Research Foundation	Enhancing neurobehavioural and clinical definitions in autism spectrum disorders	\$14,000	Q2.Other	Monash University
Simons Foundation	Hyperthermia and the amelioration of autism symptoms	\$66,153	Q2.S.A	Montefiore Medical Center
National Institutes of Health	Neural basis of behavioral flexibility	\$347,607	Q2.Other	Mount Sinai School of Medicine
National Institutes of Health	Role of Sema7A in functional organization of neocortex	\$366,120	Q2.S.D	Mount Sinai School of Medicine
Autism Speaks	Probing the Molecular Mechanisms Underlying Autism: Examination of Dysregulated Protein Synthesis	\$49,300	Q2.S.D	National Institute of Mental Health (NIH)
National Institutes of Health	Functional anatomy of face processing in the primate brain	\$1,555,641	Q2.Other	National Institutes of Health
National Institutes of Health	Learning and plasticity in the human brain	\$392,666	Q2.Other	National Institutes of Health
National Institutes of Health	The cognitive neuroscience of autism spectrum disorders	\$997,922	Q2.Other	National Institutes of Health
National Institutes of Health	Pediatric brain imaging	\$2,140,977	Q2.L.A	National Institutes of Health
National Institutes of Health	Dysregulation of protein synthesis in fragile X syndrome	\$1,089,880	Q2.S.D	National Institutes of Health
National Institutes of Health	Neuroendocrine regulation of metabolism and neurocognition	\$355,088	Q2.S.E	National Institutes of Health
National Institutes of Health	Treatment of medical conditions among individuals with autism spectrum disorders	\$488,568	Q2.S.E	National Institutes of Health
National Institutes of Health	Neuroimmunologic investigations of autism spectrum disorders (ASD)	\$162,856	Q2.S.F	National Institutes of Health

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Department of Defense - Air Force	A collaborative translational autism research program for the military.	\$966,000	Q2.S.G	Nationwide Children's Hospital
Department of Defense - Army	CIRCADIAN RHYTHMS IN CHILDREN WITH ASD AND THEIR INFANT SIBLINGS	\$99,000	Q2.S.E	Naval Medical Research Center
Simons Foundation	Determining the role of GABA in four animal models of autism	\$166,895	Q2.Other	Neurochlore
Autism Research Institute	Brain mitochondrial abnormalities in autism	\$0	Q2.S.A	New York State Institute for Basic Research in Developmental Disabilities
Simons Foundation	Canonical neural computation in autism	\$321,362	Q2.Other	New York University
Autism Speaks	Spatial attention in autism spectrum disorders	\$0	Q2.Other	New York University
Brain & Behavior Research Foundation	Dysregulated Translation and Synaptic Dysfunction in Medium Spiny Neurons of Autism Model Mice	\$0	Q2.Other	New York University
National Institutes of Health	Translation, synchrony, and cognition	\$375,588	Q2.S.D	New York University
Simons Foundation	Cortico-striatal dysfunction in the eIF4E transgenic mouse model of autism	\$61,999	Q2.S.D	New York University
Simons Foundation	Roles of pro-inflammatory Th17 cells in autism	\$124,989	Q2.S.A	New York University
Simons Foundation	Interneuron subtype-specific malfunction in autism spectrum disorders	\$120,000	Q2.Other	New York University School of Medicine
National Institutes of Health	The flexibility of individuation and ensemble representation	\$47,114	Q2.Other	Northwestern University
National Institutes of Health	A family-genetic study of autism and fragile X syndrome	\$593,966	Q2.S.D	Northwestern University
Simons Foundation	Regulation of cortical critical periods in a mouse model of autism	\$0	Q2.S.D	Northwestern University
Autism Speaks	Pragmatic language and social-emotional processing in autism, fragile X, and the FMR1 premutation	\$29,474	Q2.S.D	Northwestern University
National Institutes of Health	A family-genetic study of language in autism	\$308,419	Q2.S.G	Northwestern University
Department of Defense - Army	DISRUPTION OF TROPHIC INHIBITORY SIGNALING IN AUTISM SPECTRUM DISORDERS	\$180,832	Q2.Other	Northwestern University
Simons Foundation	Neurologin, oxidative stress and autism	\$150,000	Q2.Other	Oklahoma Medical Research Foundation
National Institutes of Health	Characterizing mechanistic heterogeneity across ADHD and autism	\$556,250	Q2.Other	Oregon Health & Science University
National Institutes of Health	Computational characterization of language use in autism spectrum disorder	\$692,911	Q2.Other	Oregon Health & Science University
Simons Foundation	Assessing the Cognitive Deficits Associated with 16p11.2 Deletion Syndrome	\$59,734	Q2.S.G	Posit Science Corporation

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Controlling Interareal Gamma Coherence by Optogenetics, Pharmacology and Behavior	\$248,999	Q2.Other	Princeton University
National Institutes of Health	Self-Regulation and Sleep in Children At Risk for Autism Spectrum Disorders	\$249,000	Q2.S.E	Purdue University
Simons Foundation	Platform for autism treatments from exome analysis	\$100,000	Q2.S.E	Rockefeller University
Autism Science Foundation	Sex-Specific Gene-Environment Interactions Underlying ASD	\$35,000	Q2.S.B	Rockefeller University
Simons Foundation	Amygdala circuitry of impaired social-emotional behavior in autism	\$58,488	Q2.Other	Rosalind Franklin University of Medicine and Science
National Science Foundation	Multiple systems in theory of mind development	\$0	Q2.Other	Rutgers, The State University of New Jersey - New Brunswick
Autism Research Institute	ASD - Inflammatory Subtype: Molecular Mechanisms	\$20,148	Q2.S.A	Rutgers University
National Institutes of Health	Dissecting neural mechanisms integrating multiple inputs in <i>C. elegans</i>	\$477,449	Q2.Other	Salk Institute for Biological Studies
National Institutes of Health	Multimodal imaging of social brain networks in ASD	\$148,945	Q2.Other	San Diego State University
Autism Science Foundation	Examining connectivity patterns of brain networks participating in social cognition in ASD	\$0	Q2.Other	San Diego State University
National Institutes of Health	Linking local activity and functional connectivity in autism	\$360,142	Q2.Other	San Diego State University
Autism Speaks	Thalamocortical connectivity in children and adolescents with ASD-A combined fMRI and DTI approach	\$28,600	Q2.Other	San Diego State University
Autism Speaks	Autism Biomarker Discovery Program	\$1,999,984	Q2.L.B	Seaside Therapeutics
National Institutes of Health	Physiology of attention and regulation in children with ASD and LD	\$327,380	Q2.Other	Seattle Children's Hospital
Autism Speaks	Social reward in autism: Electrophysiological, behavioral, and clinical correlates	\$51,400	Q2.Other	Seattle Childrens Hospital
National Institutes of Health	Engrailed genes and cerebellum morphology, spatial gene expression and circuitry	\$451,202	Q2.Other	Sloan-Kettering Institute for Cancer Research
National Science Foundation	Face perception: Mapping psychological spaces to neural responses	\$0	Q2.Other	Stanford University
Simons Foundation	Function and dysfunction of neuroligins in synaptic circuits	\$450,000	Q2.Other	Stanford University
National Institutes of Health	GABRB3 and placental vulnerability in ASD	\$523,820	Q2.S.A	Stanford University
National Institutes of Health	Role of neurexin in synapse formation and maintenance	\$53,942	Q2.Other	Stanford University

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Autism Speaks	Imaging-based real-time feedback to enhance therapeutic intervention in ASD	\$59,825	Q2.L.B	Stanford University
National Institutes of Health	Investigating the role of neurexin-1 mutation in autism using human induced neuro	\$49,214	Q2.Other	Stanford University
National Institutes of Health	Brain Systems Supporting Learning and Memory in Children with Autism	\$173,607	Q2.Other	Stanford University
National Institutes of Health	Frontostriatal synaptic dysfunction in a model of autism	\$52,190	Q2.Other	Stanford University
National Institutes of Health	Mathematical cognition in autism: A cognitive and systems neuroscience approach	\$610,784	Q2.Other	Stanford University
National Institutes of Health	Structural and functional connectivity of large-scale brain networks in autism	\$168,978	Q2.Other	Stanford University
National Institutes of Health	Function of neurexins	\$461,977	Q2.Other	Stanford University
Autism Speaks	Role of CNTNAP2 in neuronal structural development and synaptic transmission	\$55,200	Q2.Other	Stanford University
Simons Foundation	CLARITY: circuit-dynamics and connectivity of autism-related behavior	\$248,468	Q2.Other	Stanford University
Simons Foundation	GABRB3 and prenatal immune events leading to autism	\$62,500	Q2.S.A	Stanford University
Simons Foundation	Neurobiology of RAI1, the causal gene for Smith-Magenis syndrome	\$62,314	Q2.S.D	Stanford University
National Institutes of Health	Revealing protein synthesis defects in fragile X syndrome with new chemical tools	\$337,091	Q2.S.D	Stanford University
National Institutes of Health	Longitudinal MRI study of brain development in fragile X	\$748,506	Q2.S.D	Stanford University
Simons Foundation	Restoring cortical plasticity in a Rett mouse model	\$60,000	Q2.S.D	Stanford University
Simons Foundation	Mesocorticolimbic dopamine circuitry in mouse models of autism	\$349,295	Q2.S.D	Stanford University
Simons Foundation	Characterizing sleep disorders in autism spectrum disorder	\$75,107	Q2.S.E	Stanford University
National Institutes of Health	A neuroimaging study of twin pairs with autism	\$599,326	Q2.S.G	Stanford University
Department of Defense - Army	IMAGING DEPRESSION IN ADULTS WITH ASD	\$192,601	Q2.S.E	State University New York Stony Brook
Autism Speaks	Folate receptor autoimmunity in Autism Spectrum Disorders	\$149,755	Q2.S.A	State University of New York, Downstate Medical Center
National Institutes of Health	NINDS comment: Disruption of Reelin biosynthesis by de novo missense mutations found in aut	\$32,615	Q2.Other	State University of New York Upstate Medical Center
National Institutes of Health	The neurophysiology of sensory processing and multisensory integration in ASD	\$437,684	Q2.Other	Syracuse University

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Simons Foundation	Mouse Model of Dup15q Syndrome	\$84,253	Q2.S.D	Texas AgriLife Research
Simons Foundation	Simons Variation in Individuals Project (VIP) Functional Imaging Site	\$419,819	Q2.S.G	The Children's Hospital of Philadelphia
Simons Foundation	Simons Variation in Individuals Project (VIP) Structural Imaging and Phenotyping Site - SCAP-local	\$260,788	Q2.S.G	The Children's Hospital of Philadelphia
Simons Foundation	RNA dysregulation in autism	\$250,000	Q2.Other	The Rockefeller University
National Institutes of Health	Cell adhesion molecules in CNS development	\$515,850	Q2.Other	The Scripps Research Institute - California
Autism Speaks	A stem cell based platform for identification of common defects in autism spectrum disorders	\$0	Q2.S.D	The Scripps Research Institute - California
National Institutes of Health	Impact of SynGAP1 mutations on synapse maturation and cognitive development	\$661,570	Q2.Other	The Scripps Research Institute - Florida
Simons Foundation	Understanding the basic neurobiology of Pitt-Hopkins syndrome	\$0	Q2.S.D	The University of Alabama at Birmingham
Simons Foundation	Cerebellar plasticity and learning in a mouse model of autism	\$0	Q2.S.D	The University of Chicago
Autism Science Foundation	Role of astrocytic glutamate transporter GLT1 in Fragile X	\$5,000	Q2.S.D	Tufts University
National Institutes of Health	MeCP2 modulation of BDNF signaling: Shared mechanisms of Rett and autism	\$303,067	Q2.S.D	University of Alabama at Birmingham
National Institutes of Health	Met signaling in neural development and circuitry formation	\$230,032	Q2.Other	University of Arizona
Brain & Behavior Research Foundation	Autism Linked LRRTM4-Heparan Sulphate Proteoglycan Complex Functions in Synapse Development	\$0	Q2.S.G	University of British Columbia
National Institutes of Health	Inhibitory mechanisms for sensory map plasticity in cerebral cortex	\$316,453	Q2.Other	University of California, Berkeley
National Institutes of Health	Neural mechanisms of tactile sensation in rodent somatosensory cortex	\$246,278	Q2.Other	University of California, Berkeley
National Science Foundation	Experience and cognitive development in infancy	\$0	Q2.Other	University of California, Davis
National Science Foundation	Synchronous activity in networks of electrically coupled cortical interneurons	\$0	Q2.Other	University of California, Davis
National Institutes of Health	Project 4: Calcium signaling defects in autism (Pessah/Lein)	\$109,730	Q2.Other	University of California, Davis
National Institutes of Health	The neural substrates of higher-level learning in autism	\$221,760	Q2.Other	University of California, Davis
National Institutes of Health	Amygdala connectivity in autism spectrum disorder	\$52,580	Q2.L.A	University of California, Davis

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Typical and pathological cellular development of the human amygdala	\$369,600	Q2.Other	University of California, Davis
National Institutes of Health	Cellular density and morphology in the autistic temporal human cerebral cortex	\$352,346	Q2.Other	University of California, Davis
Brain & Behavior Research Foundation	a-Actinin Regulates Postsynaptic AMPAR Targeting by Anchoring PSD-95	\$0	Q2.Other	University of California, Davis
Autism Speaks	IL-1beta and IL1RAPL1: Gene-environment interactions regulating synapse density and function in ASD	\$28,600	Q2.S.A	University of California, Davis
National Institutes of Health	Project 3: Immune environment interaction and neurodevelopment	\$109,725	Q2.S.A	University of California, Davis
National Institutes of Health	Mechanism of UBE3A imprint in neurodevelopment	\$7,869	Q2.S.D	University of California, Davis
National Institutes of Health	The role of MeCP2 in Rett syndrome	\$344,213	Q2.S.D	University of California, Davis
National Institutes of Health	Genotype-phenotype relationships in fragile X families	\$565,457	Q2.S.D	University of California, Davis
National Institutes of Health	Language development in fragile X syndrome	\$509,862	Q2.S.D	University of California, Davis
Autism Science Foundation	Alteration of Dendrite and Spine Number and Morphology in Human Prefrontal Cortex of Autism	\$25,000	Q2.S.D	University of California, Davis
Brain & Behavior Research Foundation	Convergence of immune and genetic signaling pathways in autism and schizophrenia	\$29,430	Q2.S.A	University of California, Davis
Brain & Behavior Research Foundation	a-Actinin Regulates Postsynaptic AMPAR Targeting by Anchoring PSD-95	\$0	Q2.Other	University of California, Davis Medical Center University of California, Davis
Department of Defense - Army	Dual modulators of GABA-A and Alpha7 nicotinic receptors for treating autism	\$0	Q2.Other	University of California, Irvine
National Institutes of Health	Integrative functions of the planum temporale	\$432,343	Q2.Other	University of California, Irvine
National Institutes of Health	BDNF and the restoration of synaptic plasticity in fragile X and autism	\$449,134	Q2.S.D	University of California, Irvine
National Institutes of Health	Cortactin and spine dysfunction in fragile X	\$32,875	Q2.S.D	University of California, Irvine
Simons Foundation	A functional genomic analysis of the cerebral cortex	\$486,802	Q2.Other	University of California, Los Angeles
Simons Foundation	Modeling multiple heterozygous genetic lesions in autism using Drosophila melanogaster	\$201,838	Q2.Other	University of California, Los Angeles
Autism Speaks	Genetic models of autism in human neural progenitor cells: a platform for therapeutic discovery	\$54,400	Q2.Other	University of California, Los Angeles
Autism Speaks	Electrophysiologic biomarkers of language function in autism spectrum disorders	\$28,600	Q2.L.B	University of California, Los Angeles

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National Institutes of Health	Cytoplasmic functions of Rbfox1, a candidate autism gene	\$231,000	Q2.Other	University of California, Los Angeles
National Institutes of Health	Optogenetic treatment of social behavior in autism	\$385,000	Q2.Other	University of California, Los Angeles
Brain & Behavior Research Foundation	Abnormal connectivity in autism	\$15,000	Q2.Other	University of California, Los Angeles
Brain & Behavior Research Foundation	A Role for Cytoplasmic Rbfox1/A2BP1 in Autism	\$0	Q2.Other	University of California, Los Angeles
National Institutes of Health	Investigation of sex differences associated with autism candidate gene, Cyfip1	\$32,413	Q2.S.B	University of California, Los Angeles
National Institutes of Health	The role of Fox-1 in neurodevelopment and autistic spectrum disorder	\$145,757	Q2.S.D	University of California, Los Angeles
National Institutes of Health	ACE Center: Neuroimaging signatures of autism: Linking brain function to genes and behavior	\$178,857	Q2.S.G	University of California, Los Angeles
National Institutes of Health	ACE Center: Genetic and genomic analyses to connect genes to brain to cognition in ASD	\$241,951	Q2.S.G	University of California, Los Angeles
National Science Foundation	Neural basis of cross-modal influences on perception	\$163,755	Q2.Other	University of California, San Diego
Simons Foundation	Atypical architecture of prefrontal cortex in young children with autism	\$149,715	Q2.Other	University of California, San Diego
Simons Foundation	Using fruit flies to map the network of autism-associated genes	\$124,996	Q2.Other	University of California, San Diego
National Institutes of Health	Influence of attention and arousal on sensory abnormalities in ASD	\$186,000	Q2.Other	University of California, San Diego
National Institutes of Health	Development of the functional neural systems for face expertise	\$461,095	Q2.Other	University of California, San Diego
National Institutes of Health	Kinetics of drug macromolecule complex formation	\$687,969	Q2.Other	University of California, San Diego
Autism Speaks	Stimulus preceding negativity and social stimuli in autism spectrum disorder	\$28,580	Q2.Other	University of California, San Diego
Simons Foundation	Relating copy number variants to head and brain size in neuropsychiatric disorders	\$399,146	Q2.S.G	University of California, San Diego
National Institutes of Health	Refining the Tourette Syndrome phenotype across diagnoses to aid gene discovery	\$417,271	Q2.Other	University of California, San Francisco
Simons Foundation	Characterizing the regulatory pathways and regulation of AUTS2	\$0	Q2.Other	University of California, San Francisco
Autism Speaks	Deciphering the function and regulation of AUTS2	\$0	Q2.Other	University of California, San Francisco
Autism Speaks	A novel transplantation assay to study human PTEN ASD alleles in GABAergic interneurons	\$60,000	Q2.Other	University of California, San Francisco

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Brain & Behavior Research Foundation	Role of negative regulators of FGF signaling in frontal cortex development and autism	\$15,000	Q2.Other	University of California, San Francisco
Autism Speaks	Pathologic and genetic characterization of novel brain cortical patches in young autistic brains	\$53,000	Q2.Other	University of California, San Francisco
Brain & Behavior Research Foundation	Regulation of Interneuron Development in the Cortex and Basal Ganglia by Coup-TF2	\$0	Q2.Other	University of California, San Francisco
Simons Foundation	Role of myelinating cells in autism spectrum disorders	\$60,000	Q2.S.G	University of California, San Francisco
Simons Foundation	A gene-driven systems approach to identifying autism pathology	\$249,874	Q2.S.G	University of California, San Francisco
Simons Foundation	Linking circuit dynamics and behavior in a rat model of autism	\$0	Q2.S.D	University of California, San Francisco
Simons Foundation	Simons Variation in Individuals Project (VIP) Core Neuroimaging Support Site	\$434,182	Q2.S.G	University of California, San Francisco
Simons Foundation	Simons Variation in Individuals Project (VIP) Functional Imaging Site	\$1,142,798	Q2.S.G	University of California, San Francisco
Autism Speaks	Using fMRI to understand the Neural Mechanisms of Pivotal Response Treatment	\$29,500	Q2.L.B	University of California, Santa Barbara
Brain & Behavior Research Foundation	Development of a connectomic functional brain imaging endophenotype of autism	\$13,634	Q2.Other	University of Cambridge
National Science Foundation	Action anticipation in infants	\$105,936	Q2.Other	University of Chicago
Simons Foundation	Cerebellar plasticity and learning in a mouse model of autism	\$62,500	Q2.Other	University of Chicago
National Institutes of Health	Evaluating the time-dependent unfolding of social interactions in autism	\$196,987	Q2.Other	University of Cincinnati
National Institutes of Health	Neural synchronydysfunction of gamma oscillations in autism	\$254,470	Q2.Other	University of Colorado Denver
Autism Speaks	Multimodal neuroimaging of motor dysfunction in autism spectrum disorders	\$58,000	Q2.Other	University of Colorado Denver
National Institutes of Health	Molecular mechanisms linking early life seizures, autism and intellectual disability	\$313,576	Q2.S.E	University of Colorado Denver
Autism Speaks	Salivary melatonin as a biomarker for response to sleep interventions in children with autism	\$0	Q2.S.E	University of Colorado Denver
Autism Speaks	Physiological studies in a human stem cell model of 15q duplication syndrome	\$60,000	Q2.S.D	University of Connecticut
Simons Foundation	Social interaction and reward in autism: Possible role for ventral tegmental area	\$124,936	Q2.Other	University of Geneva
Simons Foundation	Beta-catenin signaling in autism spectrum disorders	\$60,100	Q2.S.G	University of Illinois at Chicago

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Synaptic phenotype, development, and plasticity in the fragile X mouse	\$379,329	Q2.S.D	University of Illinois at Urbana Champaign
National Institutes of Health	Wnt modulation as a treatment for autism spectrum disorders	\$184,568	Q2.Other	University of Iowa
National Institutes of Health	Molecular dissection of calmodulin domain functions	\$310,222	Q2.Other	University of Iowa
National Science Foundation	SHB: Type II (INT): Synthesizing self-model and mirror feedback imageries with applications to behavior modeling for children with autism	\$0	Q2.Other	University of Kentucky Research Foundation
Simons Foundation	16p11.2 rearrangements: Genetic paradigms for neurodevelopmental disorders	\$100,000	Q2.S.D	University of Lausanne
Simons Foundation	Children with 7q11.23 duplication syndrome: shared characteristics with autism	\$250,000	Q2.S.G	University of Louisville
National Science Foundation	BRIGE: Emotion mapping of children through human-robot interaction and affective computing	\$0	Q2.Other	University of Louisville Research Foundation Inc
National Institutes of Health	Sensitive periods in cerebellar development	\$32,941	Q2.S.A	University of Maryland, Baltimore
National Institutes of Health	Prostaglandins and cerebellum development	\$356,400	Q2.S.A	University of Maryland, Baltimore
National Institutes of Health	Foxp2 regulation of sex specific transcriptional pathways and brain development	\$88,128	Q2.S.B	University of Maryland, Baltimore
Department of Defense - Army	BRAIN MECHANISMS OF AFFECTIVE LANGUAGE COMPREHENSION IN AUTISM SPECTRUM DISORDERS	\$506,507	Q2.Other	University of Maryland, College Park
National Institutes of Health	A neural model of fronto-parietal mirror neuron system dynamics	\$178,100	Q2.Other	University of Maryland, College Park
Department of Defense - Army	How autism affects speech understanding in multitalker environments	\$0	Q2.Other	University of Maryland, College Park
National Institutes of Health	The microRNA pathway in translational regulation of neuronal development	\$340,304	Q2.S.D	University of Massachusetts Medical School
Autism Research Institute	Autism spectrum disorders –inflammatory subtype: Molecular characterization	\$0	Q2.S.A	University of Medicine & Dentistry of New Jersey
National Institutes of Health	Caspr2 as an autism candidate gene: A proteomic approach to function & structure	\$305,280	Q2.Other	University of Medicine & Dentistry of New Jersey - Robert Wood Johnson Medical School
National Institutes of Health	Cerebellar modulation of frontal cortical function	\$286,989	Q2.Other	University of Memphis
Brain & Behavior Research Foundation	Investigating the Role of RBFOX1 in Autism Etiology	\$0	Q2.Other	University of Miami
National Institutes of Health	Molecular mechanisms of the synaptic organizer alpha-neurexin	\$373,200	Q2.Other	University of Michigan

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Novel candidate mechanisms of fragile X syndrome	\$249,000	Q2.S.D	University of Michigan
Autism Research Institute	Matrix metalloproteinases expression in autism spectrum disorders	\$15,000	Q2.Other	University of Naples
Department of Defense - Army	Mechanisms of synaptic alterations in a neuroinflammation model of autism	\$0	Q2.S.A	University of Nebraska Medical Center
National Institutes of Health	Mechanisms of motor skill learning in the fragile X mouse model	\$292,423	Q2.S.D	University of Nebraska Medical Center
Brain & Behavior Research Foundation	A Novel Glial Specific Isoform of Cdkl5: Implications for the Pathology of Autism in Rett Syndrome	\$0	Q2.S.D	University of Nebraska Medical Center
Brain & Behavior Research Foundation	Using near-infrared spectroscopy to measure the neural correlates of social and emotional development in infants at risk for autism spectrum disorder	\$14,950	Q2.Other	University of New South Wales
Brain & Behavior Research Foundation	Modeling Pitt-Hopkins Syndrome, an Autism Spectrum Disorder, in Transgenic Mice Harboring a Pathogenic Dominant Negative Mutation in TCF4	\$0	Q2.S.D	University of North Carolina, Chapel Hill
National Institutes of Health	Neural circuits that regulate social motivation in autism	\$150,542	Q2.Other	University of North Carolina at Chapel Hill
National Institutes of Health	ACE Network: A longitudinal MRI study of infants at risk for autism	\$2,391,469	Q2.L.A	University of North Carolina at Chapel Hill
Simons Foundation	Correcting excitatory-inhibitory imbalance in autism	\$112,500	Q2.Other	University of North Carolina at Chapel Hill
National Institutes of Health	Regulation of spine morphogenesis by NrCAM	\$213,120	Q2.Other	University of North Carolina at Chapel Hill
National Institutes of Health	Effect of paternal age on mutational burden and behavior in mice	\$177,600	Q2.Other	University of North Carolina at Chapel Hill
National Institutes of Health	Statistical analysis of biomedical imaging data in curved space	\$313,376	Q2.Other	University of North Carolina at Chapel Hill
Autism Speaks	Behavioral and neural correlates of reward motivation in children with autism spectrum disorders	\$0	Q2.Other	University of North Carolina at Chapel Hill
Department of Defense - Army	PRECURSORS TO THE DEVELOPMENT OF ANXIETY DISORDERS IN YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER	\$515,246	Q2.S.E	University of North Carolina at Chapel Hill
Autism Speaks	Functional and anatomical recovery of synaptic deficits in a mouse model of Angelman Syndrome	\$58,000	Q2.S.D	University of North Carolina at Chapel Hill
Autism Speaks	Bi-directional regulation of Ube3a stability by cyclic AMP-dependent kinase	\$60,000	Q2.S.D	University of North Carolina at Chapel Hill
National Institutes of Health	A longitudinal MRI study of brain development in fragile X syndrome	\$549,582	Q2.S.D	University of North Carolina at Chapel Hill

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Genome-wide identification of variants affecting early human brain development	\$590,292	Q2.S.G	University of North Carolina at Chapel Hill
Simons Foundation	RNA expression at human fragile X synapses	\$59,217	Q2.S.D	University of North Carolina at Chapel Hill and North Carolina State University
Autism Speaks	Anti-Neuronal Autoantibodies in PANDAS and Autism Spectrum Disorders	\$100,000	Q2.S.A	University of Oklahoma Health Sciences Center
Simons Foundation	Contribution of cerebellar CNTNAP2 to autism in a mouse model	\$60,000	Q2.Other	University of Oxford
Simons Foundation	Subependymal zone function in autism spectrum disorders	\$0	Q2.Other	University of Oxford
Autism Speaks	Neuropathology of the social-cognitive network in Autism: a comparison with other structural theories	\$143,728	Q2.Other	University of Oxford
National Institutes of Health	Autoimmunity against novel antigens in neuropsychiatric dysfunction	\$307,200	Q2.S.A	University of Pennsylvania
Simons Foundation	Transcriptional responsiveness in lymphoblastoid cell lines	\$0	Q2.Other	University of Pennsylvania
National Institutes of Health	Magnetoencephalographic studies of lexical processing and abstraction in autism	\$291,317	Q2.Other	University of Pennsylvania
National Institutes of Health	Quantifiable markers of ASD via multivariate MEG-DTI combination	\$257,169	Q2.L.B	University of Pennsylvania
Simons Foundation	A study of autism	\$0	Q2.L.B	University of Pennsylvania
National Institutes of Health	Novel computational methods for higher order diffusion MRI in autism	\$601,657	Q2.Other	University of Pennsylvania
Simons Foundation	Statistical methodology and analysis of the Simons Simplex Collection and related data	\$80,389	Q2.S.G	University of Pennsylvania
National Institutes of Health	Early life seizures disrupt critical period plasticity	\$429,559	Q2.S.E	University of Pennsylvania
Simons Foundation	Genetic contribution to language-related preclinical biomarkers of autism	\$63,513	Q2.S.D	University of Pennsylvania
Autism Science Foundation	GABA and Gamma-band Activity: Biomarker for ASD?	\$25,000	Q2.S.D	University of Pennsylvania
Simons Foundation	The role of genetics in communication deficits in autism spectrum disorders	\$0	Q2.S.D	University of Pennsylvania
Brain & Behavior Research Foundation	Assessing sleep regulation, sleep-dependent memory consolidation, and sleep-dependent synaptic plasticity in mouse genetic models of schizophrenia and autism spectrum disorders	\$32,469	Q2.S.E	University of Pennsylvania
Brain & Behavior Research Foundation	Probing the temporal dynamics of aberrant neural communication and its relation to social processing deficits in autism spectrum disorders	\$29,987	Q2.Other	University of Pittsburgh

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Cognitive control of emotion in autism	\$102,004	Q2.Other	University of Pittsburgh
National Institutes of Health	Development of ventral stream organization	\$137,338	Q2.Other	University of Pittsburgh
National Institutes of Health	Engrailed targets and the control of synaptic circuits in Drosophila	\$361,875	Q2.Other	University of Puerto Rico Medical Sciences Campus
National Institutes of Health	Taste, smell, and feeding behavior in autism: A quantitative traits study	\$541,983	Q2.Other	University of Rochester
National Institutes of Health	Auditory and integrative functions of the prefrontal cortex	\$374,016	Q2.Other	University of Rochester
National Institutes of Health	Emergence and stability of autism in fragile X syndrome	\$343,680	Q2.S.D	University of South Carolina
National Science Foundation	HCC:Small:Computational studies of social nonverbal communication	\$0	Q2.Other	University of Southern California
National Institutes of Health	Biology of non-coding RNAs associated with psychiatric disorders	\$430,144	Q2.Other	University of Southern California
National Institutes of Health	Function and structure adaptations in forebrain development	\$520,098	Q2.Other	University of Southern California
Autism Speaks	Factors influencing early associative learning as a precursor to social behavior heterogeneity	\$54,500	Q2.S.G	University of Southern California
Department of Defense - Army	Altered placental tryptophan metabolism: A crucial molecular pathway for the fetal programming of neurodevelopmental disorders	\$0	Q2.S.A	University of Southern California
Simons Foundation	Genetic studies of autism-related Drosophila neurexin and neuroligin	\$175,802	Q2.Other	University of Texas Health Science Center, San Antonio
National Institutes of Health	Motor control and cerebellar maturation in autism	\$157,148	Q2.Other	University of Texas Southwestern Medical Center
Simons Foundation	Mechanisms of synapse elimination by autism-linked genes	\$240,115	Q2.S.D	University of Texas Southwestern Medical Center
National Institutes of Health	Investigation of protocadherin-10 in MEF2- and FMRP-mediated synapse elimination	\$55,670	Q2.S.D	University of Texas Southwestern Medical Center
National Institutes of Health	Role of MEF2 and neural activity in cortical synaptic weakening and elimination	\$415,385	Q2.S.D	University of Texas Southwestern Medical Center
National Institutes of Health	Mechanisms of mGluR5 function and dysfunction in mouse autism models	\$393,841	Q2.S.D	University of Texas Southwestern Medical Center
National Institutes of Health	Development of face processing expertise	\$339,118	Q2.Other	University of Toronto
National Science Foundation	CAREER: Statistical models and classification of time-varying shape	\$0	Q2.Other	University of Utah
National Institutes of Health	Longitudinal characterization of functional connectivity in autism	\$182,352	Q2.L.A	University of Utah
Autism Speaks	20-year outcome of autism	\$0	Q2.L.A	University of Utah

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National Institutes of Health	The microstructural basis of abnormal connectivity in autism	\$276,865	Q2.Other	University of Utah
Simons Foundation	Bone marrow transplantation and the role of microglia in autism	\$109,651	Q2.S.A	University of Virginia
Simons Foundation	Fever, meningeal immunity and immune factors in autism	\$59,500	Q2.S.A	University of Virginia
National Science Foundation	Network Optimization of Functional Connectivity in Neuroimaging for Differential Diagnosis of Brain Diseases	\$345,000	Q2.Other	University of Washington
National Institutes of Health	Electrophysiological response to executive control training in autism	\$89,670	Q2.Other	University of Washington
National Institutes of Health	Networked cortical responses to movement associated with ASD	\$384,222	Q2.Other	University of Washington
Simons Foundation	Neural mechanisms underlying autism behaviors in SCN1A mutant mice	\$194,903	Q2.S.D	University of Washington
Simons Foundation	Simons Variation in Individuals Project (VIP) Site	\$508,680	Q2.S.G	University of Washington
Autism Speaks	Social processing, language, and executive functioning in twin pairs: Electrophysiological and behavioral endophenotypes	\$0	Q2.S.G	University of Washington
Simons Foundation	Speech disorders in individuals with 16p11.2 deletion or duplication	\$40,000	Q2.S.G	University of Wisconsin
National Institutes of Health	Statistical word learning in children with language disorders	\$29,355	Q2.Other	University of Wisconsin - Madison
National Institutes of Health	Executive function in children with typical and atypical language abilities	\$493,697	Q2.Other	University of Wisconsin - Madison
Autism Speaks	Macrocephalic autism: Exploring and exploiting the role of PTEN	\$0	Q2.Other	University of Wisconsin - Madison
National Institutes of Health	Grammatical development in boys with fragile X syndrome and autism	\$141,075	Q2.S.D	University of Wisconsin - Madison
National Institutes of Health	Translational regulation of adult neural stem cells	\$359,977	Q2.S.D	University of Wisconsin - Madison
National Institutes of Health	Biological determinants of brain variation in autism	\$652,672	Q2.S.G	University of Wisconsin - Madison
Simons Foundation	Fragile X syndrome target analysis and its contribution to autism	\$259,025	Q2.S.D	Vanderbilt University
Autism Speaks	Characterization of the sleep phenotype in adolescents and adults with autism spectrum disorder	\$150,000	Q2.S.E	Vanderbilt University
National Institutes of Health	Neurobehavioral investigation of tactile features in autism spectrum disorders	\$161,107	Q2.Other	Vanderbilt University Medical Center
National Institutes of Health	Psychobiological investigation of the socioemotional functioning in autism	\$333,590	Q2.Other	Vanderbilt University Medical Center

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	mTOR modulation of myelination	\$178,659	Q2.S.D	Vanderbilt University Medical Center
National Institutes of Health	Genetic and developmental analyses of fragile X mental retardation protein	\$378,771	Q2.S.D	Vanderbilt University Medical Center
National Institutes of Health	Predicting phenotypic trajectories in Prader-Willi syndrome	\$294,904	Q2.S.D	Vanderbilt University Medical Center
Simons Foundation	VIP Family Meetings	\$121,016	Q2.S.G	VIP Family Meetings
Autism Research Institute	The role of brainstem NTS inflammation and oxidative stress in Autism	\$43,000	Q2.S.A	Wadsworth Center
Autism Speaks	Mapping functional connectivity networks in autism spectrum disorder with diffuse optical tomography	\$56,900	Q2.Other	Washington University in St. Louis
Simons Foundation	Pathogenic roles of paternal-age-associated mutations in autism	\$62,500	Q2.Other	Weill Cornell Medical College
National Institutes of Health	Role of neuronal migration genes in synaptogenesis and plasticity	\$53,942	Q2.Other	Weill Cornell Medical College
Autism Speaks	High metabolic demand of fast-spiking cortical interneurons underlying the etiology of autism	\$56,000	Q2.Other	Weill Cornell Medical College
Simons Foundation	Comprehensive phenotypic characterization of the 17q12 deletion syndrome	\$125,000	Q2.S.G	Weis Center for Research - Geisinger Clinic
Simons Foundation	Simons Variation in Individuals Project (VIP) Recruitment Coordination Site	\$216,139	Q2.S.G	Weis Center for Research - Geisinger Clinic
Simons Foundation	Genetic model to study the ASD-associated gene A2BP1 and its target PAC1	\$125,000	Q2.Other	Weizmann Institute of Science
Simons Foundation	Local connectivity in altered excitation/inhibition balance states	\$125,000	Q2.Other	Weizmann Institute of Science
Brain & Behavior Research Foundation	Studying Rett and Fragile X syndrome in human ES cells using TALEN technology	\$30,000	Q2.S.D	Whitehead Institute for Biomedical Research
Simons Foundation	Genetically defined stem cell models of Rett and fragile X syndrome	\$350,000	Q2.S.D	Whitehead Institute for Biomedical Research
National Institutes of Health	Allelic choice in Rett syndrome	\$374,862	Q2.S.D	Winifred Masterson Burke Medical Research Institute
Autism Speaks	Attention & word learning in children with ASD- Translating experimental findings into intervention	\$53,500	Q2.Other	Women & Infants Hospital
Simons Foundation	Functional analysis of EFR3A mutations associated with autism	\$62,500	Q2.Other	Yale University
Brain & Behavior Research Foundation	The neural basis of weak central coherence in autism spectrum disorders	\$26,080	Q2.Other	Yale University
Simons Foundation	Role of major vault protein in autism	\$0	Q2.Other	Yale University
Simons Foundation	Functional analysis of EPHB2 mutations in autism - Project 1	\$89,633	Q2.Other	Yale University

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Autism Speaks	Near-infrared spectroscopy studies of early neural signatures of autism	\$149,977	Q2.L.B	Yale University
National Institutes of Health	Neural markers of shared gaze during simulated social interactions in ASD	\$416,250	Q2.Other	Yale University
National Institutes of Health	Morphogenesis and function of the cerebral cortex	\$393,228	Q2.Other	Yale University
National Institutes of Health	Social brain networks for the detection of agents and intentions	\$399,300	Q2.Other	Yale University
Brain & Behavior Research Foundation	Integrative Regulatory Network Analysis of iPSCs Derived Neuronal Progenitors from Macrocephalic ASD Individuals in a Family-based Design	\$0	Q2.Other	Yale University
Autism Speaks	Brain electrophysiology of interactive social stimuli	\$54,459	Q2.Other	Yale University
Simons Foundation	Genetic investigations of motor stereotypies	\$124,538	Q2.S.G	Yale University
Simons Foundation	Developmental neurogenetics in adolescents with autism	\$249,603	Q2.S.G	Yale University
National Institutes of Health	ACE Network: Multimodal developmental neurogenetics of females with ASD	\$2,670,192	Q2.S.B	Yale University
Autism Science Foundation	Sex differences in the neural mechanisms of treatment response	\$5,000	Q2.S.B	Yale University
National Institutes of Health	Pleiotropic roles of dyslexia genes in neurodevelopmental language impairments	\$36,724	Q2.S.D	Yale University
Simons Foundation	Role of GABA interneurons in a genetic model of autism	\$62,500	Q2.S.D	Yale University
Simons Foundation	Investigating the etiology of childhood disintegrative disorder	\$74,970	Q2.S.F	Yale University
National Institutes of Health	Identification of candidate genes at the synapse in autism spectrum disorders	\$168,245	Q2.S.G	Yale University

