

Funder	Project Title	Funding	Strategic Plan Objective	Institution
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
National Institutes of Health	Dysregulation of mTOR signaling in fragile X syndrome	\$415,000	Q2.S.D	Albert Einstein College of Medicine of Yeshiva University
National Institutes of Health	Sensory processing and integration in autism	\$548,158	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
National Institutes of Health	Novel regulatory network involving non-coding role of an ASD candidate gene PTEN	\$208,750	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
National Institutes of Health	Modeling 5-HT-absorbing neurons in neuropathology of autism	\$250,500	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
Simons Foundation	Genetic rescue of fragile X syndrome in mice by targeted deletion of PIKE	\$0	Q2.S.D	Albert Einstein College of Medicine of Yeshiva University
National Institutes of Health	Dysregulation of mTOR signaling in fragile X syndrome (supplement)	\$72,034	Q2.S.D	Albert Einstein College of Medicine of Yeshiva University
Department of Defense - Autism Research Program	Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development	\$0	Q2.S.A	Arkansas Children's Hospital Research Institute
Simons Foundation	Building awareness of the value of brain tissue donation for autism research	\$90,120	Q2.S.C	Autism Science Foundation
National Institutes of Health	Investigating the homeostatic role of MeCP2 in mature brain	\$35,832	Q2.S.D	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
Autism Speaks	In-vivo imaging of neuronal structure and function in a reversible mouse model for autism.	\$0	Q2.S.D	Baylor College of Medicine
Autism Speaks	TMLHE deficiency and a carnitine hypothesis for autism	\$60,000	Q2.S.D	Baylor College of Medicine
Department of Defense - Autism Research Program	The role of the new mTOR complex, mTORC2, in autism spectrum disorders	\$625,998	Q2.Other	Baylor College of Medicine
Simons Foundation	Simons Variation in Individuals Project (VIP) Site	\$466,763	Q2.S.G	Baylor College of Medicine
Simons Foundation	Multisensory processing in autism	\$60,000	Q2.Other	Baylor College of Medicine
National Institutes of Health	Pathophysiology of MECP2 spectrum disorders (Career Development Award Proposal)	\$179,981	Q2.S.D	Baylor College of Medicine
Simons Foundation	Upper motor neuron plasticity in the MeCP2-duplication syndrome of autism	\$62,500	Q2.S.D	Baylor College of Medicine
National Institutes of Health	Neurobiological mechanism of 15q11-13 duplication autism spectrum disorder	\$380,625	Q2.S.D	Beth Israel Deaconess Medical Center
Autism Speaks	The effects of disturbed sleep on sleep-dependent memory consolidation and daily function in individuals with ASD	\$90,480	Q2.S.E	Beth Israel Deaconess Medical Center
Simons Foundation	Simons Variation in Individual Project (Simons VIP) Core Leader Gift	\$0	Q2.S.G	Boston Children's Hospital

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Simons Foundation	Probing synaptic receptor composition in mouse models of autism	\$124,998	Q2.S.D	Boston Children's Hospital
Simons Foundation	Corticothalamic circuit interactions in autism	\$250,000	Q2.Other	Boston Children's Hospital
Simons Foundation	Simons Variation in Individuals Project (VIP) Site	\$768,296	Q2.S.G	Boston Children's Hospital
Autism Speaks	A cerebellar mutant for investigating mechanisms of autism in Tuberous Sclerosis	\$149,958	Q2.S.D	Boston Children's Hospital
Simons Foundation	Characterization of infants and toddlers with the 16p copy-number variation	\$190,766	Q2.S.G	Boston Children's Hospital
Simons Foundation	Role of microglia and complement at developing synapses in ASD	\$60,001	Q2.S.A	Boston Children's Hospital
Autism Speaks	Understanding the etiological significance of attentional disengagement in infants at-risk for ASD	\$46,000	Q2.L.A	Boston Children's Hospital
Brain & Behavior Research Foundation	Neuropeptide regulation of juvenile social behaviors	\$29,550	Q2.Other	Boston College
National Institutes of Health	ACE Center: Auditory perception and perceptual organization in minimally verbal children with ASD	\$288,440	Q2.L.B	Boston University
National Institutes of Health	The effects of autism on the sign language development of deaf children	\$59,419	Q2.Other	Boston University
National Institutes of Health	The effects of autism on the sign language development of deaf children (supplement)	\$1,188	Q2.Other	Boston University
National Institutes of Health	Elucidating the function of class 4 semaphorins in GABAergic synapse formation (supplement)	\$23,015	Q2.Other	Brandeis University
National Institutes of Health	Elucidating the function of class 4 semaphorins in GABAergic synapse formation	\$336,922	Q2.Other	Brandeis University
National Institutes of Health	Semaphorin4D and PlexinB1 mediate GABAergic synapse development in mammalian CNS	\$27,814	Q2.Other	Brandeis University
Simons Foundation	Endosomal NHE6 in long-range connectivity and autism	\$62,500	Q2.Other	Brown University
Autism Speaks	The mechanism of the maternal infection risk factor for autism	\$150,000	Q2.S.A	California Institute of Technology
Brain & Behavior Research Foundation	Investigating brain organization and activation in autism at the whole-brain level	\$0	Q2.Other	California Institute of Technology
Simons Foundation	Direct recording from autism brains	\$60,074	Q2.S.E	California Institute of Technology
National Institutes of Health	Towards an endophenotype for amygdala dysfunction	\$380,304	Q2.Other	California Institute of Technology
National Science Foundation	CAREER: Dissecting the neural mechanisms for face detection	\$0	Q2.Other	California Institute of Technology

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Simons Foundation	Autism and the insula: Genomic and neural circuits	\$254,696	Q2.Other	California Institute of Technology
National Institutes of Health	Functional role of IL-6 in fetal brain development and abnormal behavior	\$42,232	Q2.Other	California Institute of Technology
Simons Foundation	A non-human primate autism model based on maternal infection	\$0	Q2.S.A	California Institute of Technology
National Institutes of Health	The computational basis of theory of mind in the human brain	\$103,965	Q2.Other	California Institute of Technology
Simons Foundation	Single-unit recordings from the amygdala in people with autism	\$0	Q2.S.E	California Institute of Technology
Autism Speaks	Single-unit recordings in neurosurgical patients with autism	\$55,200	Q2.S.E	California Institute of Technology
National Institutes of Health	Investigating brain connectivity in autism at the whole-brain level	\$88,508	Q2.Other	California Institute of Technology
Simons Foundation	Eye movement dynamics in autism spectrum disorders	\$0	Q2.Other	Carnegie Mellon University
Autism Speaks	Linguistic perspective-taking in adults with high-functioning autism: Investigation of the mirror neuron system	\$0	Q2.Other	Carnegie Mellon University
National Science Foundation	Exploring the uncanny valley	\$0	Q2.Other	Carnegie Mellon University
National Science Foundation	Collaborative research: Learning complex auditory categories	\$0	Q2.Other	Carnegie Mellon University
National Science Foundation	CDI-TYPE II: From language to neural representations of meaning	\$0	Q2.Other	Carnegie Mellon University
Autism Research Institute	Using high definition fiber tracking to define developmental neurobiologic mechanisms & a neural basis for behavioral heterogeneity	\$25,000	Q2.Other	Carnegie Mellon University
Autism Speaks	TrkB agonist therapy for sensorimotor dysfunction in Rett syndrome	\$147,806	Q2.S.D	Case Western Reserve University
Simons Foundation	ERK signaling in autism associated with copy number variation of 16p11.2	\$51,290	Q2.Other	Case Western Reserve University
National Institutes of Health	Functional neuroimaging of attention in autism	\$192,365	Q2.S.E	Children's Hospital of Philadelphia
National Institutes of Health	Testing the hyperspecificity hypothesis: A neural theory of autism	\$247,018	Q2.Other	Children's Hospital of Philadelphia
National Institutes of Health	Structural and functional neuroimaging of the auditory system in autism	\$157,905	Q2.Other	Children's Hospital of Philadelphia
National Institutes of Health	Functional imaging of flexibility in autism: Informed by SLC6A4	\$132,748	Q2.S.G	Children's Hospital of Philadelphia
Department of Defense - Autism Research Program	The functional link between DISC1 and neuroligins: Two genetic factors in the etiology of autism	\$0	Q2.S.D	Children's Memorial Hospital, Chicago

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National Institutes of Health	Selective disruption of hippocampal dentate granule cells in autism: Impact of PT	\$411,292	Q2.S.E	Cincinnati Children's Hospital Medical Center
National Institutes of Health	Selective disruption of hippocampal dentate granule cells in autism: Impact of PT (supplement)	\$14,596	Q2.S.E	Cincinnati Children's 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	\$29,155	Q2.Other	City University of New York Graduate School and University Center
Simons Foundation	Behavioral and cognitive characteristics of females and males with autism	\$60,000	Q2.S.B	Cleveland Clinic Foundation
Simons Foundation	Alterations in brain-wide neuroanatomy in autism mouse models	\$300,000	Q2.Other	Cold Spring Harbor Laboratory
National Institutes of Health	Cell adhesion molecules in autism: A whole-brain study of genetic mouse models	\$485,438	Q2.Other	Cold Spring Harbor Laboratory
National Institutes of Health	High-throughput DNA sequencing method for probing the connectivity of neural circuits at single-neuron resolution	\$464,475	Q2.Other	Cold Spring Harbor Laboratory
Simons Foundation	Investigation of social brain circuits and fever-evoked response in 16p11.2 mice	\$60,000	Q2.Other	Cold Spring Harbor Laboratory
Simons Foundation	Investigation of social brain circuits in mouse models of the 16p11.2 locus	\$175,000	Q2.Other	Cold Spring Harbor Laboratory
National Science Foundation	Collaborative research: RUI: Perceptual pick-up processes in interpersonal coordination	\$0	Q2.Other	College of the Holy Cross
Simons Foundation	Investigation of a possible role of the protocadherin gene cluster in autism	\$150,000	Q2.Other	Columbia University
Simons Foundation	Simons Variation in Individuals Project (VIP) Statistical Core Site	\$136,125	Q2.S.G	Columbia University
Simons Foundation	Role of neurexin in the amygdala and associated fear memory	\$175,000	Q2.Other	Columbia University
Simons Foundation	Neurexin-neurologin trans-synaptic interaction in learning and memory	\$200,000	Q2.Other	Columbia University
Simons Foundation	Simons Variation in Individuals Project (VIP) Principal Investigator	\$126,453	Q2.S.G	Columbia University
Simons Foundation	Simons Variation in Individuals Project (Simons VIP) Principal Investigator Gift	\$73,534	Q2.S.G	Columbia University
Simons Foundation	Aberrant synaptic form and function due to TSC-mTOR-related mutation in autism spectrum disorders	\$300,000	Q2.S.D	Columbia University
Autism Research Institute	Neuroprotective effects of oxytocin receptor signaling in the enteric nervous system	\$25,000	Q2.Other	Columbia University

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National Science Foundation	CAREER: Integrative behavioural and neurophysiological studies of normal and autistic cognition using video game environments	\$0	Q2.Other	Cornell University
Autism Speaks	Preference acquisition in children and adolescents with and without autism spectrum disorder	\$0	Q2.Other	Dalhousie University
National Institutes of Health	New approaches to local translation: SpaceSTAMP of proteins synthesized in axons	\$419,095	Q2.S.D	Dana-Farber Cancer Institute
Brain & Behavior Research Foundation	Neural underpinning of emotion perception and its disorders	\$30,000	Q2.Other	Dartmouth College
National Institutes of Health	The impact of Pten signaling on neuronal form and function	\$346,014	Q2.Other	Dartmouth College
National Institutes of Health	Imaging signal transduction in single dendritic spines	\$382,200	Q2.Other	Duke University
National Institutes of Health	Analysis of Shank3 complete and temporal and spatial specific knockout mice	\$481,448	Q2.Other	Duke University
Department of Defense - Autism Research Program	Neural basis of empathy and its dysfunction in autism spectrum disorders (ASD)	\$0	Q2.Other	Duke University
National Institutes of Health	Neuronal basis of vicarious reinforcement dysfunction in autism spectrum disorder	\$310,081	Q2.Other	Duke University
National Institutes of Health	Animal model of genetics and social behavior in autism spectrum disorders	\$791,070	Q2.S.G	Duke University
National Institutes of Health	The striatal circuitry underlying autistic-like behaviors	\$31,975	Q2.Other	Duke University
Department of Defense - Autism Research Program	White matter glial pathology in autism	\$0	Q2.Other	East Tennessee State University
Autism Speaks	PI3K/mTOR signaling as a novel biomarker and therapeutic target in autism	\$0	Q2.Other	Emory University
Simons Foundation	Language processing in children with 22q11 deletion syndrome and autism	\$0	Q2.S.G	Emory University
National Institutes of Health	Behavioral and neural processing of faces and expressions in nonhuman primates	\$435,600	Q2.Other	Emory University
Simons Foundation	Quantitative proteomic approach towards understanding and treating autism	\$75,000	Q2.S.D	Emory University
National Institutes of Health	ACE Center: Predicting risk and resilience in ASD through social visual engagement	\$329,264	Q2.L.B	Emory University
Simons Foundation	Simons Variation in Individuals Project (Simons VIP)	\$706,044	Q2.S.G	Emory University
National Institutes of Health	ACE Center: Ontogeny and neural basis of social visual engagement in monkeys	\$314,068	Q2.Other	Emory University

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National Institutes of Health	Young development of a novel PET ligand for detecting oxytocin receptors in brain	\$261,360	Q2.Other	Emory University
Simons Foundation	Identifying the gene in 17q12 responsible for neuropsychiatric phenotypes	\$180,140	Q2.S.G	Emory University
National Institutes of Health	Modulation of RhoA signaling by the mRNA binding protein hnRNPQ1	\$30,912	Q2.Other	Emory University
Simons Foundation	Identification and analysis of ASD patients with PI3K/mTOR signalopathies	\$66,500	Q2.Other	Emory University
National Institutes of Health	Young development of a novel PET ligand for detecting oxytocin receptors in brain (supplement)	\$176,000	Q2.Other	Emory University
National Institutes of Health	Monolingual and bilingual infants' sensitivity to agreement morphology in Spanish	\$144,100	Q2.Other	Florida International University
National Institutes of Health	Neuroimaging of top-down control and bottom-up processes in childhood ASD	\$387,066	Q2.Other	Georgetown University
National Institutes of Health	Neuroimaging of top-down control and bottom-up processes in childhood ASD (supplement)	\$111,600	Q2.Other	Georgetown University
Autism Speaks	Elucidation and rescue of amygdala abnormalities in the Fmr1 mutant mouse model of fragile X syndrome	\$150,000	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 Institutes of Health	Regulation of 22q11 genes in embryonic and adult forebrain	\$308,631	Q2.S.D	George Washington University
National Institutes of Health	Regulation of 22q11 genes in embryonic and adult forebrain (supplement)	\$24,262	Q2.S.D	George Washington University
National Institutes of Health	Vasopressin receptor polymorphism and social cognition	\$395,156	Q2.Other	Georgia State University
Department of Defense - Autism Research Program	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	\$284,454	Q2.Other	Georgia Tech Research Corporation
Brain & Behavior Research Foundation	Role of microglial activation in the serotonergic and neuroimmune disturbances underlying autism	\$50,000	Q2.S.A	Hamamatsu University School of Medicine
National Institutes of Health	The social brain in schizophrenia and autism spectrum disorders	\$594,733	Q2.Other	Hartford Hospital
Autism Research Institute	Urokinase-type plasminogen activator plasma concentration and its relationship to hepatocyte growth factor (HGF) and GABA levels in autistic children	\$8,505	Q2.Other	Hartwick College

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Autism Research Institute	To study the relationship between low GAD2 levels and anti-GAD antibodies in autistic children	\$7,260	Q2.S.A	Hartwick College
Simons Foundation	The role of UBE3A in autism	\$312,501	Q2.S.D	Harvard Medical School
National Institutes of Health	Characterizing the genetic systems of autism through multi-disease analysis	\$524,280	Q2.S.G	Harvard Medical School
Simons Foundation	Proteome and interaction networks in autism	\$156,250	Q2.Other	Harvard Medical School
National Institutes of Health	Activity-dependent phosphorylation of MeCP2	\$177,055	Q2.S.D	Harvard Medical School
National Institutes of Health	Characterizing the genetic systems of autism through multi-disease analysis (supplement)	\$120,328	Q2.S.G	Harvard Medical School
Simons Foundation	Underlying mechanisms in a cerebellum-dependent model of autism	\$60,000	Q2.S.D	Harvard Medical School
Simons Foundation	The Brain Genomics Superstruct Project	\$150,000	Q2.L.B	Harvard University
National Science Foundation	Dimensions of mind perception	\$0	Q2.Other	Harvard University
Brain & Behavior Research Foundation	Behavioral and neural responses to emotional faces in individuals with ASD	\$14,935	Q2.Other	Harvard University
Simons Foundation	Simons Variation in Individuals Project (VIP) Imaging Analysis Site	\$137,106	Q2.S.G	Harvard University
National Institutes of Health	Molecular controls over callosal projection neuron subtype specification and diversity	\$42,232	Q2.Other	Harvard University
National Institutes of Health	Neurobiological signatures of audiovisual speech perception in children in ASD	\$217,886	Q2.Other	Haskins Laboratories, Inc.
Brain & Behavior Research Foundation	Brain-behavior interactions and visuospatial expertise in autism: a window into the neural basis of autistic cognition	\$0	Q2.Other	Hospital Riviere-des-Praires, University of Montreal, Canada
National Institutes of Health	Bayesian variable selection in generalized linear models with missing variables	\$95,377	Q2.Other	Hunter College (City University of New York)
Simons Foundation	Multigenic basis for autism linked to 22q13 chromosomal region	\$125,000	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	\$249,001	Q2.Other	Indiana University
National Institutes of Health	In vivo targeted gene silencing, a novel method	\$192,500	Q2.Other	Indiana University-Purdue University Indianapolis
Brain & Behavior Research Foundation	The role of the GRIP protein complex in AMPA receptor trafficking and autism spectrum disorders	\$0	Q2.Other	Johns Hopkins University
National Institutes of Health	High throughput screen for small molecule probes for neural network development	\$405,000	Q2.Other	Johns Hopkins University
National Institutes of Health	Dynamic regulation of Shank3 and ASD	\$646,316	Q2.Other	Johns Hopkins University

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National Institutes of Health	Olfactory abnormalities in the modeling of Rett syndrome	\$351,575	Q2.S.D	Johns Hopkins University
Autism Speaks	GABAergic dysfunction in autism	\$48,000	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
Simons Foundation	The role of CNTNAP2 in embryonic neural stem cell regulation	\$0	Q2.Other	Johns Hopkins University School of Medicine
Organization for Autism Research	A preliminary investigation of the neurobehavioral basis of sensory behavior in autism	\$10,000	Q2.Other	Kennedy Krieger Institute
National Institutes of Health	Motor skill learning in autism	\$395,908	Q2.Other	Kennedy Krieger Institute
National Institutes of Health	EEG-based assessment of functional connectivity in autism	\$175,042	Q2.Other	Kennedy Krieger Institute
Autism Speaks	Understanding the brain basis of impaired imitation learning in autism	\$55,200	Q2.Other	Kennedy Krieger Institute
Autism Speaks	Autism phenotypes in Tuberous Sclerosis: Risk factors, features & architecture	\$149,881	Q2.S.D	King's College London
Brain & Behavior Research Foundation	Roles of miRNAs in regulation of Foxp2 and in autism	\$45,000	Q2.Other	Louisiana State University
Autism Research Institute	3 Tesla 31Phosphorus magnetic resonance spectroscopy in disorder with abnormal bioenergetics	\$3,250	Q2.Other	Massachusetts General Hospital
Simons Foundation	Identification of targets for the neuronal E3 ubiquitin ligase PAM	\$0	Q2.S.D	Massachusetts General Hospital
Department of Defense - Autism Research Program	Neural correlates of restricted, repetitive behaviors in autism spectrum disorders	\$0	Q2.S.G	Massachusetts General Hospital
Department of Defense - Autism Research Program	Neural correlates of restricted, repetitive behaviors in autism spectrum disorders	\$0	Q2.S.G	Massachusetts General Hospital
Simons Foundation	Retrograde synaptic signaling by Neurexin and Neuroligin in C. elegans	\$250,000	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
National Institutes of Health	Multimodal studies of executive function deficits in autism spectrum disorders	\$54,570	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 ASD	\$50,811	Q2.L.B	Massachusetts General Hospital
Simons Foundation	Regulation of synaptogenesis by cyclin-dependent kinase 5	\$0	Q2.Other	Massachusetts Institute of Technology
National Institutes of Health	Impairments of theory of mind disrupt patterns of brain activity	\$321,000	Q2.Other	Massachusetts Institute of Technology
National Institutes of Health	Shank3 in synaptic function and autism	\$401,250	Q2.Other	Massachusetts Institute of Technology

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National Institutes of Health	Brain bases of language deficits in SLI and ASD	\$614,180	Q2.Other	Massachusetts Institute of Technology
National Institutes of Health	Controlling interareal gamma coherence by optogenetics, pharmacology and behavior	\$84,775	Q2.Other	Massachusetts Institute of Technology
Simons Foundation	Probing the neural basis of social behavior in mice	\$62,500	Q2.S.D	Massachusetts Institute of Technology
National Science Foundation	CAREER: Typical and atypical development of brain regions for theory of mind	\$86,848	Q2.Other	Massachusetts Institute of Technology
National Institutes of Health	Behavioral, fMRI, and anatomical MRI investigations of attention in autism	\$47,114	Q2.Other	Massachusetts Institute of Technology
Simons Foundation	Functional analysis of patient mutations in EPHB2, an ASD candidate gene- Core	\$62,475	Q2.Other	McLean Hospital
Simons Foundation	Making the connection between autism, serotonin and hedgehog signaling	\$125,635	Q2.S.D	Medical Research Council-National Institute for Medical Research
National Science Foundation	CAREER: The role of prosody in word segmentation and lexical access	\$0	Q2.Other	Michigan State University
Brain & Behavior Research Foundation	Enhancing neurobehavioural and clinical definitions in autism spectrum disorders	\$28,000	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	Role of Sema7A in functional organization of neocortex	\$423,750	Q2.S.D	Mount Sinai School of Medicine
National Institutes of Health	Neural basis of behavioral flexibility	\$360,214	Q2.Other	Mount Sinai School of Medicine
National Institutes of Health	Neuroimmunologic investigations of autism spectrum disorders (ASD)	\$101,877	Q2.S.F	National Institutes of Health
National Institutes of Health	The cognitive neuroscience of autism spectrum disorders	\$1,074,095	Q2.Other	National Institutes of Health
National Institutes of Health	Learning and plasticity in the human brain	\$351,533	Q2.Other	National Institutes of Health
National Institutes of Health	Dysregulation of protein synthesis in fragile X syndrome	\$1,117,731	Q2.S.D	National Institutes of Health
National Institutes of Health	Neuroendocrine regulation of metabolism and neurocognition	\$402,805	Q2.S.E	National Institutes of Health
National Institutes of Health	Pediatric brain imaging	\$2,419,583	Q2.L.A	National Institutes of Health
National Institutes of Health	Functional anatomy of face processing in the primate brain	\$1,660,304	Q2.Other	National Institutes of Health
National Institutes of Health	Treatment of medical conditions among individuals with autism spectrum disorders	\$339,591	Q2.S.E	National Institutes of Health
Department of Defense - Air Force	A collaborative translational autism research program for the military.	\$903,888	Q2.S.G	Nationwide Children's Hospital
Simons Foundation	Early expression of autism spectrum disorder in experimental animals	\$0	Q2.Other	Neurochlore

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Autism Speaks	Development of brain connectivity in autism	\$0	Q2.Other	New York School of Medicine
Autism Research Institute	Brain mitochondrial abnormalities in autism	\$20,000	Q2.S.A	New York State Institute for Basic Research in Developmental Disabilities
Simons Foundation	Canonical neural computation in autism spectrum disorders	\$365,741	Q2.Other	New York University
National Institutes of Health	Cortical dynamics in autism	\$52,190	Q2.Other	New York University
Department of Defense - Autism Research Program	Excessive cap-dependent translation as a molecular mechanism underlying ASD	\$0	Q2.Other	New York University
Autism Speaks	Spatial attention in autism spectrum disorders	\$28,600	Q2.Other	New York University
National Institutes of Health	Molecular components of A-type K+ channels	\$363,366	Q2.S.E	New York University School of Medicine
National Institutes of Health	A family-genetic study of autism and fragile X syndrome	\$751,420	Q2.S.D	Northwestern University
Simons Foundation	Regulation of cortical critical periods in a mouse model of autism	\$60,000	Q2.S.D	Northwestern University
National Institutes of Health	Understanding the role of Epac2 in cognitive function	\$47,232	Q2.Other	Northwestern University
National Institutes of Health	A family-genetic study of language in autism	\$391,295	Q2.S.G	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	\$611,788	Q2.Other	Oregon Health & Science University
National Institutes of Health	Computational characterization of language use in autism spectrum disorder	\$738,723	Q2.Other	Oregon Health & Science University
Simons Foundation	Head-fixed recording of sensory learning in mouse autism models	\$0	Q2.Other	Princeton University
Department of Defense - Autism Research Program	MTHFR functional polymorphism C677T and genomic instability in the etiology of idiopathic autism in simplex families	\$0	Q2.Other	Queen's University
Department of Defense - Autism Research Program	Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	\$0	Q2.Other	Research Foundation for Mental Hygiene, Inc.
Department of Defense - Autism Research Program	Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	\$0	Q2.Other	Research Foundation for Mental Hygiene, Inc.
Department of Defense - Autism Research Program	Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	\$0	Q2.Other	Research Foundation for Mental Hygiene, Inc.
Simons Foundation	Autism spectrum disorders and the visual analysis of human motion	\$0	Q2.Other	Rutgers, The State University of New Jersey
National Science Foundation	Multiple systems in theory of mind development	\$0	Q2.Other	Rutgers, The State University of New Jersey - New Brunswick

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National Institutes of Health	Social and affective components of communication	\$317,715	Q2.Other	Salk Institute For Biological Studies
National Institutes of Health	Multimodal imaging of social brain networks in ASD	\$150,036	Q2.Other	San Diego State University
National Institutes of Health	Linking local activity and functional connectivity in autism	\$370,304	Q2.Other	San Diego State University
National Institutes of Health	Linking local activity and functional connectivity in autism (supplement)	\$92,508	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 Science Foundation	Examining connectivity patterns of brain networks participating in social cognition in ASD	\$40,000	Q2.Other	San Diego State University
National Institutes of Health	Physiology of attention and regulation in children with ASD and LD	\$341,013	Q2.Other	Seattle Children's Hospital
National Institutes of Health	The genetic basis of mid-hindbrain malformations	\$798,866	Q2.S.G	Seattle Children's Hospital
National Institutes of Health	Genetic dissection of restricted repetitive behavior (RRB)	\$177,736	Q2.S.G	Seattle Children's Hospital
Simons Foundation	Perturbed cortical patterning in autism	\$60,000	Q2.Other	Seattle Children's Hospital
National Institutes of Health	Engrailed genes and cerebellum morphology, spatial gene expression and circuitry	\$470,003	Q2.Other	Sloan-Kettering Institute for Cancer Research
Simons Foundation	Probing a monogenic form of autism from molecules to behavior	\$0	Q2.S.D	Stanford University
National Institutes of Health	Function of neurexins	\$473,710	Q2.Other	Stanford University
Simons Foundation	GABA(A) and prenatal immune events leading to autism	\$125,000	Q2.S.A	Stanford University
National Institutes of Health	A neuroimaging study of twin pairs with autism	\$625,557	Q2.S.G	Stanford University
National Institutes of Health	Mathematical cognition in autism: A cognitive and systems neuroscience approach	\$652,461	Q2.Other	Stanford University
National Institutes of Health	Revealing protein synthesis defects in fragile X syndrome with new chemical tools	\$340,520	Q2.S.D	Stanford University
National Science Foundation	Face perception: Mapping psychological spaces to neural responses	\$0	Q2.Other	Stanford University
Simons Foundation	Characterizing sleep disorders in autism spectrum disorder	\$225,081	Q2.S.E	Stanford University
National Institutes of Health	L-type calcium channel regulation of neuronal differentiation	\$33,002	Q2.S.D	Stanford University

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Simons Foundation	Mesocorticolimbic dopamine circuitry in mouse models of autism	\$436,362	Q2.S.D	Stanford University
National Institutes of Health	Longitudinal MRI study of brain development in fragile X	\$901,844	Q2.S.D	Stanford University
Department of Defense - Autism Research Program	Modulation of fxr1 splicing as a treatment strategy for autism in fragile X syndrome	\$0	Q2.S.D	Stanford University
National Institutes of Health	Genomic and epigenomic effects of large CNV in neurons from iPSC	\$2,355,000	Q2.S.G	Stanford University
National Institutes of Health	GABRB3 and placental vulnerability in ASD	\$642,258	Q2.S.A	Stanford University
Simons Foundation	Function and dysfunction of neuroligins in synaptic circuits	\$750,000	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
Simons Foundation	Neurobiology of RAI1, the causal gene for Smith-Magenis syndrome	\$155,380	Q2.S.D	Stanford University
National Institutes of Health	Decoding 'what' and 'who' in the auditory system of children with autism spectrum disorders	\$197,500	Q2.Other	Stanford University
Autism Speaks	Role of CNTNAP2 in neuronal structural development and synaptic transmission	\$53,500	Q2.Other	Stanford University
Simons Foundation	CLARITY: circuit-dynamics and connectivity of autism-related behavior	\$124,320	Q2.Other	Stanford University
Department of Defense - Autism Research Program	Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development	\$0	Q2.S.A	State University of New York at Potsdam
Autism Speaks	Social behavior deficits in autism: Role of amygdala	\$0	Q2.Other	State University of New York Upstate Medical Center
Autism Speaks	Social cognition in 22q11.2 deletion syndrome (DS) adolescents with ASD vs. without ASD: Imaging and genetic correlates	\$0	Q2.S.G	State University of New York Upstate Medical Center
Health Resources and Services Administration	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	\$0	Q2.S.A	Surrey Place Centre, Toronto
Simons Foundation	Simons Variation in Individuals Project (VIP) Structural Imaging and Phenotyping Site - SCAP-local	\$217,322	Q2.S.G	The Children's Hospital of Philadelphia
Simons Foundation	Simons Variation in Individuals Project (VIP) Functional Imaging Site	\$736,449	Q2.S.G	The Children's Hospital of Philadelphia
National Institutes of Health	Neurobiological correlates of language dysfunction in autism spectrum disorders	\$535,052	Q2.Other	The Mind Research Network
Simons Foundation	Defining cells and circuits affected in autism spectrum disorders	\$336,872	Q2.Other	The Rockefeller University

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Glial control of neuronal receptive ending morphology	\$418,275	Q2.Other	The Rockefeller University
Simons Foundation	Fragile X syndrome target analysis and its contribution to autism	\$134,477	Q2.S.D	The Rockefeller University
Simons Foundation	RNA dysregulation in autism	\$125,000	Q2.Other	The Rockefeller University
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	Cell adhesion molecules in CNS development	\$534,562	Q2.Other	The Scripps Research Institute - California
National Institutes of Health	Impact of SynGAP1 mutations on synapse maturation and cognitive development	\$789,981	Q2.Other	The Scripps Research Institute - Florida
Simons Foundation	Understanding the basic neurobiology of Pitt-Hopkins syndrome	\$60,000	Q2.S.D	The University of Alabama at Birmingham
National Institutes of Health	Metacognition in comparative perspective	\$210,561	Q2.Other	University at Buffalo, The State University of New York
National Institutes of Health	MeCP2 modulation of BDNF signaling: Shared mechanisms of Rett and autism	\$314,059	Q2.S.D	University of Alabama at Birmingham
National Institutes of Health	Met signaling in neural development and circuitry formation	\$249,000	Q2.Other	University of Arizona
National Science Foundation	Collaborative research: Learning complex auditory categories	\$0	Q2.Other	University of Arizona
National Institutes of Health	Neural mechanisms of tactile sensation in rodent somatosensory cortex	\$255,940	Q2.Other	University of California, Berkeley
National Institutes of Health	Inhibitory mechanisms for sensory map plasticity in cerebral cortex	\$328,644	Q2.Other	University of California, Berkeley
National Institutes of Health	Presynaptic regulation of quantal size by the cation/H+ exchangers NHE6 & NHE9	\$33,932	Q2.Other	University of California, Berkeley
National Science Foundation	Experience and cognitive development in infancy	\$102,038	Q2.Other	University of California, Davis
National Institutes of Health	Cellular density and morphology in the autistic temporal human cerebral cortex	\$363,672	Q2.Other	University of California, Davis
National Institutes of Health	Multisensory integration in children with ASD	\$192,136	Q2.Other	University of California, Davis
National Institutes of Health	Typical and pathological cellular development of the human amygdala	\$385,000	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	Genotype-phenotype relationships in fragile X families	\$612,413	Q2.S.D	University of California, Davis
National Institutes of Health	Project 2: Immunological susceptibility of autism (supplement)	\$30,784	Q2.S.A	University of California, Davis

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Amygdala connectivity in autism spectrum disorder	\$49,934	Q2.L.A	University of California, Davis
Brain & Behavior Research Foundation	Convergence of immune and genetic signaling pathways in autism and schizophrenia	\$0	Q2.S.A	University of California, Davis
National Institutes of Health	Language development in fragile X syndrome	\$584,381	Q2.S.D	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 Science Foundation	Infants' developing representation of object function	\$0	Q2.Other	University of California, Davis
National Institutes of Health	The neural substrates of higher-level learning in autism	\$192,500	Q2.Other	University of California, Davis
National Institutes of Health	The role of MeCP2 in Rett syndrome	\$382,858	Q2.S.D	University of California, Davis
National Institutes of Health	Self-regulation and sleep in children at risk for autism spectrum disorders	\$87,899	Q2.S.E	University of California, Davis
Brain & Behavior Research Foundation	Learning in autism spectrum disorders	\$28,902	Q2.Other	University of California, Davis
National Institutes of Health	Mechanism of UBE3A imprint in neurodevelopment	\$34,439	Q2.S.D	University of California, Davis
Department of Defense - Autism Research Program	Dual modulators of GABA-A and Alpha7 nicotinic receptors for treating autism	\$615,849	Q2.Other	University of California, Irvine
National Institutes of Health	Cortactin and spine dysfunction in fragile X	\$32,875	Q2.S.D	University of California, Irvine
National Institutes of Health	BDNF and the restoration of synaptic plasticity in fragile X and autism	\$470,063	Q2.S.D	University of California, Irvine
National Institutes of Health	Integrative functions of the planum temporale	\$440,810	Q2.Other	University of California, Irvine
National Institutes of Health	Integrative functions of the planum temporale (supplement)	\$34,768	Q2.Other	University of California, Irvine
National Institutes of Health	Neural mechanisms of imitative behavior: Implications for mental health	\$33,128	Q2.Other	University of California, Los Angeles
Simons Foundation	A functional genomic analysis of the cerebral cortex	\$256,413	Q2.Other	University of California, Los Angeles
National Institutes of Health	Imaging PTEN-induced changes in adult cortical structure and function in vivo	\$300,156	Q2.Other	University of California, Los Angeles
Simons Foundation	Functional analysis of neurexin IV in Drosophila	\$0	Q2.Other	University of California, Los Angeles
Department of Defense - Autism Research Program	Role of autism-susceptibility gene, CNTNAP2, in neural circuitry for vocal communication	\$0	Q2.Other	University of California, Los Angeles
Brain & Behavior Research Foundation	Abnormal connectivity in autism	\$30,000	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

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	ACE Center: Genetic and genomic analyses to connect genes to brain to cognition in ASD	\$252,243	Q2.S.G	University of California, Los Angeles
National Institutes of Health	Elucidation of the developmental role of Jakmp1, and autism-susceptibility gene	\$31,474	Q2.Other	University of California, Los Angeles
National Institutes of Health	Abnormal network dynamics and "learning" in neural circuits from Fmr1-/- mice	\$192,500	Q2.S.D	University of California, Los Angeles
National Institutes of Health	The role of Fox-1 in neurodevelopment and autistic spectrum disorder	\$145,757	Q2.Other	University of California, Los Angeles
National Institutes of Health	ACE Center: Neuroimaging signatures of autism: Linking brain function to genes and behavior	\$191,823	Q2.S.G	University of California, Los Angeles
Simons Foundation	The role of neuexin IV in central nervous system development	\$100,466	Q2.Other	University of California, Los Angeles
National Institutes of Health	Transcriptional regulators in normal human brain development and autism	\$30,002	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
Simons Foundation	Relating copy number variants to head and brain size in neuropsychiatric disorders	\$322,286	Q2.S.G	University of California, San Diego
National Institutes of Health	Influence of attention and arousal on sensory abnormalities in ASD	\$232,500	Q2.Other	University of California, San Diego
National Science Foundation	Collaborative research: Modeling perception and memory: Studies in priming	\$0	Q2.Other	University of California, San Diego
Autism Speaks	Stimulus preceding negativity and social stimuli in autism spectrum disorder	\$28,600	Q2.Other	University of California, San Diego
National Institutes of Health	Development of the functional neural systems for face expertise	\$507,685	Q2.Other	University of California, San Diego
National Institutes of Health	Kinetics of drug macromolecule complex formation	\$712,921	Q2.Other	University of California, San Diego
Simons Foundation	Using fruit flies to map the network of autism-associated genes	\$156,245	Q2.Other	University of California, San Diego
National Science Foundation	Neural basis of cross-modal influences on perception	\$158,282	Q2.Other	University of California, San Diego
Simons Foundation	Atypical architecture of prefrontal cortex in young children with autism	\$335,103	Q2.Other	University of California, San Diego
National Institutes of Health	Identification of genetic pathways that regulate neuronal circuits in C. elegans	\$47,114	Q2.Other	University of California, San Diego
Autism Speaks	Pathologic and genetic characterization of novel brain cortical patches in young autistic brains	\$50,000	Q2.Other	University of California, San Francisco
Autism Speaks	Deciphering the function and regulation of AUTS2	\$0	Q2.Other	University of California, San Francisco

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Simons Foundation	Simons Variation in Individuals Project (VIP) Core Neuroimaging Support Site	\$513,646	Q2.S.G	University of California, San Francisco
Simons Foundation	Simons Variation in Individuals Project (VIP) Functional Imaging Site	\$1,299,083	Q2.S.G	University of California, San Francisco
National Institutes of Health	Neocortical mechanisms of categorical speech perception	\$239,255	Q2.Other	University of California, San Francisco
Simons Foundation	Simons Variation in Individuals Project (Simons VIP) Core Leader Gift	\$0	Q2.S.G	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
Simons Foundation	A sex-specific dissection of autism genetics	\$0	Q2.S.B	University of California, San Francisco
Simons Foundation	Characterizing the regulatory pathways and regulation of AUTS2	\$57,964	Q2.Other	University of California, San Francisco
Brain & Behavior Research Foundation	Role of negative regulators of FGF signaling in frontal cortex development and autism	\$45,000	Q2.Other	University of California, San Francisco
National Institutes of Health	Extended tracking of single synaptic proteins with upconverting nanoparticles	\$10,819	Q2.Other	University of California; Lawrence Berkeley National Laboratory
Brain & Behavior Research Foundation	Development of a connectomic functional brain imaging endophenotype of autism	\$0	Q2.Other	University of Cambridge
National Science Foundation	Action anticipation in infants	\$102,258	Q2.Other	University of Chicago
Simons Foundation	Cerebellar plasticity and learning in a mouse model of autism	\$156,250	Q2.Other	University of Chicago
National Institutes of Health	Evaluating the time-dependent unfolding of social interactions in autism	\$252,622	Q2.Other	University of Cincinnati
Autism Speaks	Salivary melatonin as a biomarker for response to sleep interventions in children with autism	\$0	Q2.S.E	University of Colorado Denver
National Institutes of Health	Neural synchronydysfunction of gamma oscillations in autism	\$265,073	Q2.Other	University of Colorado Denver
National Institutes of Health	Molecular mechanisms linking early life seizures, autism and intellectual disability	\$333,473	Q2.S.E	University of Colorado Denver
Autism Speaks	Multimodal neuroimaging of motor dysfunction in autism spectrum disorders	\$56,000	Q2.Other	University of Colorado Denver
National Institutes of Health	Neural synchronydysfunction of gamma oscillations in autism (supplement)	\$100,386	Q2.Other	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
Department of Defense - Autism Research Program	Self-injurious behavior: An animal model of an autism endophenotype	\$0	Q2.Other	University of Florida
Simons Foundation	Social interaction and reward in autism: Possible role for ventral tegmental area	\$62,496	Q2.Other	University of Geneva

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	The genetic control of social behavior in the mouse (supplement)	\$201,966	Q2.Other	University of Hawai'i at Manoa
Department of Defense - Autism Research Program	Serotonin signal transduction in two groups of autistic patients	\$0	Q2.Other	University of Illinois at Chicago
National Institutes of Health	Autism: Neuropeptide hormones and potential pathway genes	\$185,338	Q2.S.G	University of Illinois at Urbana Champaign
National Institutes of Health	Synaptic phenotype, development, and plasticity in the fragile X mouse	\$395,134	Q2.S.D	University of Illinois at Urbana Champaign
National Institutes of Health	Molecular dissection of calmodulin domain functions	\$321,473	Q2.Other	University of Iowa
National Institutes of Health	The neural substrates of social interactions	\$15,865	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	\$798,912	Q2.Other	University of Kentucky Research Foundation
Simons Foundation	Children with 7q11.23 duplication syndrome: shared characteristics with autism	\$125,000	Q2.S.G	University of Louisville
National Science Foundation	BRIGE: Emotion mapping of children through human-robot interaction and affective computing	\$174,583	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	\$371,250	Q2.S.A	University of Maryland, Baltimore
National Institutes of Health	A neural model of fronto-parietal mirror neuron system dynamics	\$183,960	Q2.Other	University of Maryland, College Park
Department of Defense - Autism Research Program	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	\$352,647	Q2.S.D	University of Massachusetts Medical School
Autism Speaks	Influence of maternal cytokines during pregnancy on effector and regulatory T helper cells as etiological factors in autism	\$0	Q2.S.A	University of Medicine & Dentistry of New Jersey
Autism Research Institute	Autism spectrum disorders –inflammatory subtype: Molecular characterization	\$30,000	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	\$312,000	Q2.Other	University of Medicine & Dentistry of New Jersey - Robert Wood Johnson Medical School
Department of Defense - Autism Research Program	Altered gastrointestinal function in the neuroligin-3 mouse model of autism	\$0	Q2.S.E	University of Melbourne
Department of Defense - Autism Research Program	Altered gastrointestinal function in the neuroligin-3 mouse model of autism	\$0	Q2.S.E	University of Melbourne
Department of Defense - Autism Research Program	Altered gastrointestinal function in the neuroligin-3 mouse model of autism	\$0	Q2.S.E	University of Melbourne

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Cerebellar modulation of frontal cortical function	\$302,306	Q2.Other	University of Memphis
National Institutes of Health	Homeostatic regulation of presynaptic function by dendritic mTORC1	\$32,747	Q2.Other	University of Michigan
National Institutes of Health	Molecular mechanisms of the synaptic organizer alpha-neurexin	\$383,267	Q2.Other	University of Michigan
National Institutes of Health	Sensory mechanisms and self-injury	\$447,738	Q2.S.E	University of Minnesota
Simons Foundation	Stimulus-driven attention deficits in autism	\$0	Q2.Other	University of Minnesota
National Institutes of Health	Mechanisms of motor skill learning in the fragile X mouse model	\$308,138	Q2.S.D	University of Nebraska Medical Center
Department of Defense - Autism Research Program	Mechanisms of synaptic alterations in a neuroinflammation model of autism	\$579,882	Q2.S.A	University of Nebraska Medical Center
National Institutes of Health	Diffusion tensor MR spectroscopic imaging in human brain	\$203,715	Q2.Other	University of New Mexico Health Sciences 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	\$0	Q2.Other	University of New South Wales
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	\$610,416	Q2.S.D	University of North Carolina at Chapel Hill
National Institutes of Health	Statistical analysis of biomedical imaging data in curved space	\$326,528	Q2.Other	University of North Carolina at Chapel Hill
National Institutes of Health	Functional neuroimaging of psychopharmacologic intervention for autism	\$162,369	Q2.L.B	University of North Carolina at Chapel Hill
National Institutes of Health	Regulation of spine morphogenesis by NrCAM	\$185,000	Q2.Other	University of North Carolina at Chapel Hill
Simons Foundation	Genetic studies of autism-related Drosophila neurexin and neuroligin	\$489,104	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 (supplement)	\$565,115	Q2.L.A	University of North Carolina at Chapel Hill
National Institutes of Health	Effect of paternal age on mutational burden and behavior in mice	\$222,000	Q2.Other	University of North Carolina at Chapel Hill
National Institutes of Health	Genome-wide identification of variants affecting early human brain development	\$611,005	Q2.S.G	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
National Institutes of Health	ACE Network: A longitudinal MRI study of infants at risk for autism	\$2,619,590	Q2.L.A	University of North Carolina at Chapel Hill

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Sex differences in early brain development; Brain development in Turner syndrome	\$155,873	Q2.S.D	University of North Carolina at Chapel Hill
Autism Speaks	MRI study of brain development in school age children with autism	\$127,479	Q2.L.A	University of North Carolina at Chapel Hill
Autism Speaks	Functional and anatomical recovery of synaptic deficits in a mouse model of Angelman Syndrome	\$56,000	Q2.S.D	University of North Carolina at Chapel Hill
Autism Speaks	Neuropathology of the social-cognitive network in Autism: a comparison with other structural theories	\$140,718	Q2.Other	University of Oxford
Simons Foundation	Subependymal zone function in autism spectrum disorders	\$59,560	Q2.Other	University of Oxford
National Institutes of Health	Novel computational methods for higher order diffusion MRI in autism	\$725,545	Q2.Other	University of Pennsylvania
National Institutes of Health	Autoimmunity against novel antigens in neuropsychiatric dysfunction	\$320,000	Q2.S.A	University of Pennsylvania
National Institutes of Health	Magnetoencephalographic studies of lexical processing and abstraction in autism	\$321,156	Q2.Other	University of Pennsylvania
Simons Foundation	A study of autism	\$162,232	Q2.L.B	University of Pennsylvania
Simons Foundation	Transcriptional responsiveness in lymphoblastoid cell lines	\$0	Q2.Other	University of Pennsylvania
National Institutes of Health	Functional circuit disorders of sensory cortex in ASD and RTT	\$254,976	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	\$45,000	Q2.S.E	University of Pennsylvania
Simons Foundation	The role of genetics in communication deficits in autism spectrum disorders	\$60,000	Q2.S.D	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	\$0	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	Cognitive control of emotion in autism	\$102,638	Q2.Other	University of Pittsburgh
National Institutes of Health	Engrailed targets and the control of synaptic circuits in Drosophila	\$352,100	Q2.Other	University of Puerto Rico Medical Sciences Campus
Department of Defense - Autism Research Program	Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development	\$0	Q2.S.A	University of Rochester
National Institutes of Health	Auditory and integrative functions of the prefrontal cortex	\$387,285	Q2.Other	University of Rochester

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Taste, smell, and feeding behavior in autism: A quantitative traits study	\$570,508	Q2.Other	University of Rochester
National Institutes of Health	Emergence and stability of autism in fragile X syndrome	\$358,000	Q2.S.D	University of South Carolina
National Institutes of Health	Emergence and stability of autism in fragile X syndrome (supplement)	\$87,314	Q2.S.D	University of South Carolina
Department of Defense - Autism Research Program	Altered placental tryptophan metabolism: A crucial molecular pathway for the fetal programming of neurodevelopmental disorders	\$535,699	Q2.S.A	University of Southern California
National Institutes of Health	Function and structure adaptations in forebrain development	\$541,770	Q2.Other	University of Southern California
National Science Foundation	HCC:Small:Computational studies of social nonverbal communication	\$0	Q2.Other	University of Southern California
Autism Speaks	Factors influencing early associative learning as a precursor to social behavior heterogeneity	\$53,000	Q2.S.G	University of Southern California
National Institutes of Health	Investigation of protocadherin-10 in MEF2- and FMRP-mediated synapse elimination	\$53,942	Q2.S.D	University of Texas Southwestern Medical Center
Simons Foundation	Mouse models of human autism spectrum disorders: Gene targeting in specific brain regions	\$400,000	Q2.S.D	University of Texas Southwestern Medical Center
Simons Foundation	Mechanisms of synapse elimination by autism-linked genes	\$434,883	Q2.S.D	University of Texas Southwestern Medical Center
National Institutes of Health	Mechanisms of mGluR5 function and dysfunction in mouse autism models	\$406,760	Q2.S.D	University of Texas Southwestern Medical Center
National Institutes of Health	Study of fragile X mental retardation protein in synaptic function and plasticity	\$317,077	Q2.S.D	University of Texas Southwestern Medical Center
National Institutes of Health	Cortical circuit changes and mechanisms in a mouse model of fragile X syndrome	\$278,656	Q2.S.D	University of Texas Southwestern Medical Center
National Institutes of Health	Motor control and cerebellar maturation in autism	\$157,148	Q2.Other	University of Texas Southwestern Medical Center
Simons Foundation	Coordinated control of synapse development by autism-linked genes	\$0	Q2.S.D	University of Texas Southwestern Medical Center
National Institutes of Health	Development of face processing expertise	\$351,984	Q2.Other	University of Toronto
Autism Speaks	20-year outcome of autism	\$149,964	Q2.L.A	University of Utah
National Institutes of Health	The microstructural basis of abnormal connectivity in autism	\$332,991	Q2.Other	University of Utah
National Science Foundation	CAREER: Statistical models and classification of time-varying shape	\$8,000	Q2.Other	University of Utah
National Institutes of Health	Longitudinal characterization of functional connectivity in autism	\$182,352	Q2.L.A	University of Utah

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Autism Speaks	Investigation of the link between early brain enlargement and abnormal functional connectivity in autism spectrum disorders	\$0	Q2.L.A	University of Washington
Simons Foundation	Neural mechanisms underlying autism behaviors in SCN1A mutant mice	\$94,903	Q2.S.D	University of Washington
National Institutes of Health	Multimodal brain imaging in autism spectrum disorders	\$167,832	Q2.Other	University of Washington
Autism Speaks	Social processing, language, and executive functioning in twin pairs: Electrophysiological and behavioral endophenotypes	\$150,000	Q2.S.G	University of Washington
National Institutes of Health	Synaptic processing in the basal ganglia	\$377,815	Q2.Other	University of Washington
National Institutes of Health	Networked cortical responses to movement associated with ASD	\$449,700	Q2.Other	University of Washington
Simons Foundation	Simons Variation in Individuals Project (VIP) Site	\$436,833	Q2.S.G	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	Defining the electrophysiological dynamics of the default mode network	\$146,025	Q2.Other	University of Washington
Simons Foundation	Nav1.1 channels, neural circuits, and autism	\$10,213	Q2.S.D	University of Washington
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	\$148,500	Q2.S.D	University of Wisconsin - Madison
National Institutes of Health	Executive function in children with typical and atypical language abilities	\$564,177	Q2.Other	University of Wisconsin - Madison
National Institutes of Health	Translational regulation of adult neural stem cells	\$396,944	Q2.S.D	University of Wisconsin - Madison
National Institutes of Health	Statistical word learning and non-social visual attention in children with autism	\$33,148	Q2.Other	University of Wisconsin - Madison
Health Resources and Services Administration	Epileptiform discharges and its relation to cognition and behavior in children with autism spectrum disorders	\$0	Q2.S.E	Vanderbilt University
Autism Speaks	Neural mechanisms underlying an extended multisensory temporal binding window in ASD	\$0	Q2.Other	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	Psychobiological investigation of the socioemotional functioning in autism	\$347,490	Q2.Other	Vanderbilt University Medical Center
National Institutes of Health	Genetic and developmental analyses of fragile X mental retardation protein	\$438,391	Q2.S.D	Vanderbilt University Medical Center

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Predicting phenotypic trajectories in Prader-Willi syndrome	\$310,752	Q2.S.D	Vanderbilt University Medical Center
National Institutes of Health	Neurobehavioral investigation of tactile features in autism spectrum disorders	\$162,666	Q2.Other	Vanderbilt University Medical Center
National Institutes of Health	Autistic traits: Life course & genetic structure	\$531,127	Q2.S.G	Washington University in St. Louis
Autism Speaks	Mapping functional connectivity networks in autism spectrum disorder with diffuse optical tomography	\$55,170	Q2.Other	Washington University in St. Louis
Simons Foundation	Role of intracellular mGluR5 in fragile X syndrome and autism	\$75,000	Q2.S.D	Washington University in St. Louis
National Institutes of Health	The role of intracellular metabotropic glutamate receptor 5 at the synapse	\$13,400	Q2.S.D	Washington University in St. Louis
National Institutes of Health	Role of neuronal migration genes in synaptogenesis and plasticity	\$52,190	Q2.Other	Weill Cornell Medical College
Department of Defense - Autism Research Program	Systematic characterization of the immune response to gluten and casein in autism spectrum disorders	\$0	Q2.S.A	Weill Cornell Medical College
Autism Speaks	High metabolic demand of fast-spiking cortical interneurons underlying the etiology of autism	\$54,500	Q2.Other	Weill Cornell Medical College
Simons Foundation	Comprehensive phenotypic characterization of the 17q12 deletion syndrome	\$62,500	Q2.S.G	Weis Center for Research - Geisinger Clinic
Simons Foundation	Simons Variation in Individuals Project (VIP) Recruitment Coordination Site	\$98,087	Q2.S.G	Weis Center for Research - Geisinger Clinic
Department of Defense - Autism Research Program	Developing novel automated apparatus for studying battery of social behaviors in mutant mouse models for autism	\$0	Q2.Other	Weizmann Institute of Science
Simons Foundation	Local connectivity in altered excitation/inhibition balance states	\$62,500	Q2.Other	Weizmann Institute of Science
Simons Foundation	Genetic model to study the ASD-associated gene A2BP1 and its target PAC1	\$62,500	Q2.Other	Weizmann Institute of Science
Brain & Behavior Research Foundation	Studying Rett and Fragile X syndrome in human ES cells using TALEN technology	\$0	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	\$390,481	Q2.S.D	Winifred Masterson Burke Medical Research Institute
Autism Speaks	Attention & word learning in children with ASD- Translating experimental findings into intervention	\$50,600	Q2.Other	Women & Infants Hospital
National Institutes of Health	ACE Center: Neuroimaging studies of connectivity in ASD	\$315,268	Q2.Other	Yale University
Simons Foundation	Genetic investigations of motor stereotypies	\$62,136	Q2.S.G	Yale University

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Morphogenesis and function of the cerebral cortex	\$409,613	Q2.Other	Yale University
Autism Speaks	Brain electrophysiology of interactive social stimuli	\$52,984	Q2.Other	Yale University
National Institutes of Health	Social brain networks for the detection of agents and intentions	\$414,688	Q2.Other	Yale University
National Institutes of Health	Pleiotropic roles of dyslexia genes in neurodevelopmental language impairments	\$42,232	Q2.S.D	Yale University
National Institutes of Health	Functional properties and directed connectivity in the face-processing network	\$55,670	Q2.Other	Yale University
National Institutes of Health	ACE Network: Multimodal developmental neurogenetics of females with ASD	\$3,118,985	Q2.S.B	Yale University
Simons Foundation	Investigating the etiology of childhood disintegrative disorder	\$149,953	Q2.S.F	Yale University
National Institutes of Health	Identification of candidate genes at the synapse in autism spectrum disorders	\$168,839	Q2.Other	Yale University
Simons Foundation	Functional analysis of EFR3A mutations associated with autism	\$156,250	Q2.Other	Yale University
Simons Foundation	Functional analysis of patient mutations in EPHB2, an ASD candidate gene- Project 1	\$177,512	Q2.Other	Yale University
Autism Speaks	Near-infrared spectroscopy studies of early neural signatures of autism	\$149,917	Q2.L.B	Yale University
National Institutes of Health	Novel candidate mechanisms of fragile X syndrome	\$92,448	Q2.S.D	Yale University
Simons Foundation	Developmental neurogenetics in adolescents with autism	\$124,769	Q2.S.G	Yale University
Brain & Behavior Research Foundation	The neural basis of weak central coherence in autism spectrum disorders	\$13,040	Q2.Other	Yale University
National Institutes of Health	Role of GluK6 in cerebella circuitry development	\$58,442	Q2.Other	Yale University
Simons Foundation	Role of major vault protein in autism	\$59,972	Q2.Other	Yale University

