

| Funder | Funder | Project Title | Funding | Institution |
|-----------|--|---|-------------|--|
| Australia | National Health and Medical Research Council | The role of the neuronal splicing factor A2BP1 in autism spectrum disorders | \$0 | University of New South Wales |
| Australia | Australian Research Council | Language-specific and physiological motor-control influences on children's production of lexical stress | \$0 | University of Sydney |
| Australia | National Health and Medical Research Council | Social functioning and autism spectrum disorder in children with neurofibromatosis type 1: A multimodal study | \$79,325 | Murdoch Childrens Research Institute |
| Australia | Cooperative Research Centre for Living with Autism | ASD subtype project | \$0 | University of New South Wales |
| Australia | National Health and Medical Research Council | Exploring the neuropathophysiology of autism spectrum disorders | \$0 | Deakin University |
| Australia | National Health and Medical Research Council | How can trafficking of the tumour suppressor PTEN affect normal and abnormal brain development? | \$0 | University of Melbourne |
| Australia | Cooperative Research Centre for Living with Autism | Literacy predictors | \$0 | Griffith University |
| Australia | National Health and Medical Research Council | Identifying endophenotypes for schizophrenia and autism: A support vector machine learning approach | \$0 | University of Western Australia |
| Australia | National Health and Medical Research Council | Dissecting the role of neurologins in cognition | \$0 | University of Melbourne |
| Australia | National Health and Medical Research Council | Neurobiological "risk" and "resilience" biomarkers of severe mental illness | \$682,980 | University of Melbourne |
| Australia | Cooperative Research Centre for Living with Autism | Brain connectivity in ASD | \$0 | University of Queensland |
| Australia | Cooperative Research Centre for Living with Autism | Trajectory study | \$0 | Griffith University |
| Australia | Australian Research Council | The theory of mind delays: A possible explanation for children's social problems | \$0 | University of Queensland |
| Australia | National Health and Medical Research Council | Understanding autistic spectrum disorder traits in children with attention deficit hyperactivity disorder | \$231,772 | Monash University |
| Canada | Ontario Brain Institute | Province of Ontario Neurodevelopmental Disorders Network (POND) | \$1,138,179 | Holland Bloorview Kids Rehabilitation Hospital; Hospital for Sick Children |
| Canada | Canadian Institutes of Health Research | Imaging neural circuit dynamics in the awake developing brain: Identifying origins of neurodevelopmental disorders | \$345,903 | University of British Columbia |
| Canada | Canadian Institutes of Health Research | Assessing the development of elementary and social perception in autism using behavioral and electrophysiological approaches | \$80,387 | McGill University/Université McGill |
| Canada | Canadian Institutes of Health Research | High-throughput identification and characterization of novel compounds that increase splicing inclusion of neural-specific "micro-exons". | \$6,656 | University of Toronto |
| Canada | Canadian Institutes of Health Research | A Genetically Defined Human Neuronal Model for Tuberous Sclerosis | \$15,974 | University of California (Berkeley) |

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|--------|--|--|-----------|--|
| Canada | Canadian Institutes of Health Research | Trajectoires developpementales des enfants sur le spectre de l'autisme : mieux comprendre pour mieux intervenir. Developmental trajectories of children on the spectrum of autism: better understanding for better intervention | \$13,978 | Universite du Quebec a Montreal |
| Canada | Canadian Institutes of Health Research | Neural circuitry linking oxytocin deficiency and social impairment in ASD | \$52,915 | University of California (Los Angeles) |
| Canada | Canadian Institutes of Health Research | The neurodevelopment and mental health of school-aged siblings of children with autism spectrum disorder | \$27,955 | Holland Bloorview Kids Rehabilitation Hospital (Toronto) |
| Canada | Canadian Institutes of Health Research | Regulation of mRNA stability and translation during human neurodevelopment | \$114,492 | Hospital for Sick Children (Toronto) |
| Canada | Brain Canada Foundation | Structural and functional networks in Autism Spectrum Disorder and Fragile X Syndrome | \$398,200 | Montreal Neurological Institute and Hospital, McGill University |
| Canada | Canadian Institutes of Health Research | Development of Gene Therapy for Autism Spectrum and other Neurodevelopmental Disorders | \$70,298 | University of Toronto |
| Canada | Canadian Institutes of Health Research | Auditory processing in typical development and in autism spectrum disorder: insights from the brain and behavior | \$45,570 | Université de Montréal |
| Canada | Canadian Institutes of Health Research | Investigating cortical plasticity in autism spectrum disorders with transcranial magnetic stimulation | \$21,965 | Beth Israel Deaconess Medical Center (Boston) |
| Canada | Canadian Institutes of Health Research | eIF4E-mediated translational control of synaptic function in memory formation and autism | \$120,025 | Université de Montréal |
| Canada | Canadian Institutes of Health Research | Temporal recalibration in healthy controls and autism spectrum disorders | \$71,885 | McGill University/Université McGill |
| Canada | Canadian Institutes of Health Research | The neural bases of emotional face processing across development in Autism Spectrum Disorder | \$27,955 | Hospital for Sick Children (Toronto) |
| Canada | Canadian Institutes of Health Research | Modelling syndromic autism caused by mutations in the ADNP gene | \$59,904 | Hospital for Sick Children (Toronto) |
| Canada | Brain Canada Foundation | Impaired translational regulation of brain development in autism spectrum disorders | \$43,930 | McGill University |
| Canada | Canadian Institutes of Health Research | In-vivo Imaging of Neuroinflammation in Autism Spectrum Disorder | \$74,861 | Centre for Addiction and Mental Health (Toronto)/Centre de toxicomanie et de santé mentale |
| Canada | Canadian Institutes of Health Research | The role of TAO2 in brain connectivity and Autism Spectrum Disorders | \$49,920 | McMaster University |
| Canada | Canadian Institutes of Health Research | Understanding the function of DIXDC1 in normal and abnormal brain development | \$109,913 | McMaster University |
| Canada | Canadian Institutes of Health Research | Reasoning differences and trajectories in children on the autism spectrum | \$79,872 | Universite du Quebec à Montreal |

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| Canada | Canadian Institutes of Health Research | Sharp wave ripple (SWR) organization of hippocampal microcircuits underlying cognitive performance | \$23,962 | Columbia University (New York) |
| Canada | Canadian Institutes of Health Research | Typical and atypical development of frontal lobe systems and the maturation of social cognitive function. | \$124,053 | Hospital for Sick Children (Toronto) |
| Canada | Canadian Institutes of Health Research | Neural prosthetics for cognitive dysfunction in the primate brain. | \$14,976 | Montreal Neurological Institute/Institut neurologique de Montréal |
| Canada | Canadian Institutes of Health Research | Neural prosthetics for cognitive dysfunction in the primate brain. | \$21,965 | Montreal Neurological Institute/Institut neurologique de Montréal |
| Canada | Canadian Institutes of Health Research | Novel pharmacogenetic strategies to reverse autism-like phenotypes in mouse models of ASD. | \$36,481 | McGill University/Université McGill |
| Canada | Canadian Institutes of Health Research | The role of mTOR pathway in translational regulation of synaptic plasticity, memory formation and disease. | \$39,998 | McGill University/Université McGill |
| Canada | Canadian Institutes of Health Research | Investigating mRNA translational control in the quest to cure human disease. | \$798,577 | McGill University/Universite McGill |
| Canada | Brain Canada Foundation | Treatment strategies for Autism Spectrum Disorders and Fragile-X Syndrome using mouse models, via translational control modulators | \$197,284 | McGill University |
| Canada | Canadian Institutes of Health Research | In vivo observation of the influence of inflammation on glial calcium dynamics and phagocytosis in brain development | \$13,978 | McGill University/Université McGill |
| United Kingdom | Economic and Social Research Council | One step ahead: Prediction of other people's behavior in healthy and autistic individuals. | \$0 | Plymouth University |
| United Kingdom | Economic and Social Research Council | Metacognition and Mindreading: One system or two? | \$0 | University of Kent |
| United Kingdom | Wellcome Trust | The pathophysiology of Autism: developmental trajectories and neuronal networks underlying pathological behaviour in mouse models | \$142,450 | Cardiff University |
| United Kingdom | Wellcome Trust | A cross-syndrome approach to atypical development: Modelling developmental trajectories in children with autism spectrum disorder, attention deficit and hyperactivity disorder and callous-unemotional traits. | \$0 | King's College London |
| United Kingdom | Wellcome Trust | Towards understanding and treatment of MeCP2-related disorders. | \$4,008,547 | University of Edinburgh |
| United Kingdom | Wellcome Trust | Biological markers for the development of autism related phenotypes in genetic mouse models | \$0 | Cardiff University |
| United Kingdom | Wellcome Trust | Biological markers for the development of autism related phenotypes in genetic mouse models | \$0 | Cardiff University |

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| United Kingdom | Economic and Social Research Council | Reconceptualising word learning difficulties in children with autism using novel empirical and computational methods. | \$215,913 | Lancaster University |
| United Kingdom | Economic and Social Research Council | Memory consolidation in typical and atypical development | \$1,450,930 | University of York |
| United Kingdom | Medical Research Council | MICA: Correction of behavioural, circuit and cellular deficits in rat models of ID/ASD | \$1,560,632 | University of Edinburgh |
| United Kingdom | Wellcome Trust | Loss of GABAergic cells and night-time hyperactivity in zebrafish mutants of autism risk genes | \$2,849 | University College London |
| United Kingdom | Wellcome Trust | Characterisation of a cortical FoxP1 | \$2,137 | Cardiff University |
| United Kingdom | Medical Research Council | An integrative approach to unravelling the aetiology of ASD and ADHD in early adulthood: neurophysiology and development in twins | \$898,164 | King's College London |
| United Kingdom | Medical Research Council | Characterising mice syntenic for human 16p11.2 duplications or deletions in relation to schizophrenia and autism | \$809,239 | University of Glasgow |
| United Kingdom | Autistica | Mental Health fellow 1: Why children with autism behave differently, including the role of family and wider environmental factors | \$0 | King's College London |
| United Kingdom | Autistica | Mental Health fellow 2: Social anxiety in autism | \$0 | King's College London |
| United Kingdom | Autistica | Mental Health fellow 3: Identifying chemical imbalances to develop autism-specific mental health treatments | \$0 | King's College London |
| United Kingdom | Wellcome Trust | Getting the Balance Right: Adaptation to sudden environmental changes in postural control in adults with Autism Spectrum Disorder (ASD) | \$2,849 | Queen's University Belfast |
| United Kingdom | Wellcome Trust | The development of neuronal circuits controlling sleep/wake behaviour in zebrafish models of autism. | \$0 | University College London |
| United Kingdom | Economic and Social Research Council | Delineating self-other processes in social cognition: Insights from neuropsychology and brain stimulation | \$401,177 | University of Cambridge |
| United Kingdom | Economic and Social Research Council | The cognitive requirements of cumulative culture: experiments with typically developing and autistic people | \$0 | University of Exeter |
| United Kingdom | Medical Research Council | The role of chromatin remodelling factors in cerebellar development and autism | \$0 | King's College London |
| United States | National Institutes of Health | Neurobiological Mechanism of 15q11-13 Duplication Autism Spectrum Disorder | \$380,625 | Beth Israel Deaconess Medical Center |
| United States | National Institutes of Health | Immune regulation and neurodevelopmental disorders | \$235,500 | University of California, Davis |

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| United States | National Institutes of Health | The neurobiological basis of heterogeneous social and motor deficits in ASD | \$423,920 | University of Southern California |
| United States | Department of Defense - Army | PRECURSORS TO THE DEVELOPMENT OF ANXIETY DISORDERS IN YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER | \$0 | University of North Carolina at Chapel Hill |
| United States | National Institutes of Health | Synaptic pathophysiology of the 16p11.2 microdeletion mouse model | \$531,026 | Massachusetts Institute of Technology |
| United States | Simons Foundation | Behavioral effects of fever and other illness on young children with autism - Project 1 | \$90,000 | University of California, San Francisco |
| United States | Simons Foundation | Immune p38-alpha MAPK activation: Convergent mechanism linking autism models | \$214,613 | Florida Atlantic University |
| United States | National Institutes of Health | Serotonin Receptor Subtypes as Pharmacotherapeutic Targets in Autism | \$202,500 | Hussman Institute for Autism, Inc. |
| United States | Simons Foundation | Parameterizing Neural Habituation in ASD with Sensory Overresponsivity | \$124,973 | University of California, Los Angeles |
| United States | National Institutes of Health | Genetic and Developmental Analyses of Fragile X Mental Retardation Protein | \$383,322 | Vanderbilt University |
| United States | National Institutes of Health | Development of Behavioral and Neural Biomarkers for Autism Spectrum Disorder Using a Genetically Defined Subtype | \$232,184 | Icahn School of Medicine At Mount Sinai |
| United States | Autism Research Institute | A Quantitative Study of Pyramidal Cells and Interneurons in the Cerebral Cortex | \$20,000 | University of South Carolina, Greenville |
| United States | National Institutes of Health | Sex-specific modulation of ASD liability: Compensatory mechanisms and recurrence | \$282,169 | Washington University in St. Louis |
| United States | National Institutes of Health | Brain Microstructure & Behavior in Newly-Diagnosed Toddlers/Preschoolers with ASD | \$186,879 | Washington University in St. Louis |
| United States | National Institutes of Health | ACE Center: Neuroimaging signatures of autism: Linking brain function to genes and behavior | \$188,264 | University of California, Los Angeles |
| United States | Department of Defense - Army | PRECURSORS TO THE DEVELOPMENT OF ANXIETY DISORDERS IN YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER | \$0 | Duke University |
| United States | National Institutes of Health | Microbiota and Neural Circuits controlling Social Behavior | \$226,750 | Georgia State University |
| United States | National Institutes of Health | Neuronal Correlates of Autistic Traits in ADHD and Autism | \$785,428 | New York University School of Medicine |
| United States | Department of Defense - Army | MATERNAL BRAIN-REACTIVE ANTIBODIES AND AUTISM SPECTRUM DISORDER | \$0 | Feinstein Institute for Medical Research |
| United States | National Institutes of Health | Regulation of Mammalian Social Behavior by the Gtf2i Family of Proteins | \$501,347 | Washington University in St. Louis |

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| United States | National Institutes of Health | Tet-mediated Epigenetic Modulation in Autism | \$603,129 | Emory University |
| United States | National Institutes of Health | Tet-mediated Epigenetic Modulation in Autism | \$117,000 | Emory University |
| United States | National Institutes of Health | Mechanotransduction C. elegans | \$588,908 | Massachusetts General Hospital |
| United States | National Institutes of Health | Functional dissection of mammalian vocal communication | \$343,454 | University of Texas Southwestern Medical Center |
| United States | National Institutes of Health | Identification of human-relevant CLOCK molecular signaling pathways | \$242,625 | University of Texas Southwestern Medical Center |
| United States | National Institutes of Health | The role of Foxp1-regulated signaling pathways in brain development and behavior | \$405,000 | University of Texas Southwestern Medical Center |
| United States | Simons Foundation | Role of the Thalamic Reticular Nucleus in ASD | \$0 | Massachusetts Institute of Technology |
| United States | Simons Foundation | Exploring Sex Differences in ASD via the NRXN1 KO Rat | \$75,000 | University of Maryland, College Park |
| United States | Simons Foundation | Sleep Disordered Breathing, Microparticles and Proinflammation in ASD | \$0 | Stanford University |
| United States | Brain & Behavior Research Foundation | Rebuilding Inhibition in the Autistic Brain | \$49,680 | Brandeis University |
| United States | Simons Foundation | Rescuing synaptic and circuit deficits in an Angelman syndrome mouse model | \$0 | University of Arizona |
| United States | National Institutes of Health | Maximizing Biospecimen Collection from Children with Mental Health Conditions | \$266,785 | Group Health Cooperative |
| United States | National Institutes of Health | Protein Interaction Network Analysis to Test the Synaptic Hypothesis of Autism | \$244,566 | Seattle Children's Hospital |
| United States | National Institutes of Health | Cognitive and Neural Flexibility in Autism | \$474,322 | University of Miami |
| United States | National Institutes of Health | Language Development in Fragile X Syndrome | \$498,095 | University of California, Davis |
| United States | National Institutes of Health | Neurodevelopmental Phenotypes in MLL mutant mice | \$435,379 | Icahn School of Medicine At Mount Sinai |
| United States | National Institutes of Health | Neurophenotypic Trajectories and Behavioral Outcomes in Autism Spectrum Disorder | \$670,458 | University of California, Davis |
| United States | National Institutes of Health | Detecting the Transfer of Maternal Antibodies into the Fetal Rhesus Monkey Brain | \$195,729 | University of California, Davis |
| United States | Department of Defense - Army | Neural Correlates of the Y Chromosome in Autism: XYY Syndrome as a Genetic Model | \$0 | Children's Hospital of Philadelphia |
| United States | National Institutes of Health | Electrophysiological Signatures of Language Impairment in Autism Spectrum Disorder | \$318,519 | Children's Hospital of Philadelphia |
| United States | National Institutes of Health | MEG Studies of Auditory Processing in Minimally/Non-Verbal Children with ASD and Intellectual Disability | \$245,548 | Children's Hospital of Philadelphia |

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| United States | National Institutes of Health | Developmental Synaptopaties Associated with TSC, PTEN and SHANK3 Mutations | \$331,349 | Boston Children's Hospital |
| United States | National Institutes of Health | Developmental Synaptopaties Associated with TSC, PTEN and SHANK3 Mutations | \$216,154 | Boston Children's Hospital |
| United States | National Institutes of Health | Developmental Synaptopaties Associated with TSC, PTEN and SHANK3 Mutations | \$386,566 | Boston Children's Hospital |
| United States | National Institutes of Health | Developmental Synaptopaties Associated with TSC, PTEN and SHANK3 Mutations | \$89,954 | Boston Children's Hospital |
| United States | National Science Foundation | CAREER: Typical and atypical development of brain regions for theory of mind | \$0 | Massachusetts Institute of Technology |
| United States | National Institutes of Health | Impairments of Theory of Mind disrupt patterns of brain activity | \$319,719 | Massachusetts Institute of Technology |
| United States | National Institutes of Health | Dysregulation of Protein Synthesis in Fragile X Syndrome and Other Developmental Disorders | \$1,626,666 | National Institutes of Health |
| United States | National Institutes of Health | Predictors of Cognitive Development in Autism Spectrum Disorder | \$510,456 | University of California, Davis |
| United States | National Institutes of Health | Neurodevelopment of cognitive control in autism: adolescence to young adulthood | \$702,174 | University of California, Davis |
| United States | Simons Foundation | A gene-driven systems approach to identifying autism pathology | \$749,918 | University of California, San Francisco |
| United States | Simons Foundation | Neurexins function in the prefrontal cortex and autism pathogenesis | \$250,000 | Stanford University |
| United States | Simons Foundation | Neuronal translation in Tsc2 ^{+/-} and Fmr1 ^{-/y} mutant ASD mouse models | \$124,999 | Columbia University |
| United States | National Institutes of Health | Treatment of Medical Conditions among Individuals with Autism Spectrum Disorders | \$518,777 | National Institutes of Health |
| United States | National Institutes of Health | Neurobehavioral Research on Infants at Risk for Language Delay and ASD | \$740,072 | Boston University |
| United States | Department of Defense - Army | AUTISM AND OBESITY: CO-OCCURRING CONDITIONS OR DRUG SIDE EFFECTS? | \$0 | Children's Mercy Hospital |
| United States | National Institutes of Health | Neuronal Adaptation and Plasticity after Chronic Disuse | \$423,750 | New York University School of Medicine |
| United States | National Institutes of Health | Neurobiology of Autism With Macrocephaly | \$614,548 | Yale University |
| United States | National Institutes of Health | A Mitochondrial-Interneuronal Hypothesis of Autism | \$673,299 | Children's Hospital of Philadelphia |
| United States | National Institutes of Health | 1/2-Somatic mosaicism and autism spectrum disorder | \$1,595,121 | Boston Children's Hospital |
| United States | National Institutes of Health | 1/2-Somatic mosaicism and autism spectrum disorder | \$101,700 | Boston Children's Hospital |
| United States | National Institutes of Health | Imaging adaptive cerebellar processing at cellular resolution in awake mice | \$428,215 | Princeton University |

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| United States | Department of Defense - Army | Altered placental tryptophan metabolism: A crucial molecular pathway for the fetal programming of neurodevelopmental disorders | \$0 | University of Southern California |
| United States | National Institutes of Health | Formation and Function of Circuitry for Vocal Learning | \$361,456 | University of California, Los Angeles |
| United States | National Institutes of Health | Dynamic regulation of Shank3 and ASD | \$602,491 | Johns Hopkins University |
| United States | Simons Foundation | A Novel Transcriptional Cascade Involved in Brain Overgrowth in ASD | \$35,000 | Case Western Reserve University |
| United States | National Institutes of Health | Roles of Oxytocin and Vasopressin in Brain | \$2,020,403 | National Institutes of Health |
| United States | Simons Foundation | Modeling multiple heterozygous genetic lesions in autism using <i>Drosophila melanogaster</i> | \$0 | University of California, Los Angeles |
| United States | Autism Speaks | Anti-Neuronal Autoantibodies against Bacterial Polysaccharides in Autism Spectrum Disorders | \$0 | University of Oklahoma Health Sciences Center |
| United States | Simons Foundation | Comparison of cortical circuit dysfunction in ASD model mice | \$125,000 | University of California, Berkeley |
| United States | National Institutes of Health | Mosaicism in focal cortical dysplasias spectrum seen in neuropsychiatric disease | \$824,579 | Rockefeller University |
| United States | National Institutes of Health | Mosaicism in focal cortical dysplasias spectrum seen in neuropsychiatric disease | \$220,350 | Rockefeller University |
| United States | National Institutes of Health | Verbal/non-verbal asynchrony in adolescents with high-functioning Autism | \$379,851 | Emerson College |
| United States | National Institutes of Health | Cell-specific molecular mechanisms underlying brain pathology in ASD | \$157,000 | University of California, Davis |
| United States | National Institutes of Health | Neural Correlates of Biological Motion Perception in Children with ASD | \$59,410 | Yale University |
| United States | National Institutes of Health | Neural Correlates of Biological Motion Perception in Children with ASD | \$117,544 | Seattle Children's Hospital |
| United States | Simons Foundation | Do VIP interneurons drive abnormal prefrontal circuit function in autism? | \$75,000 | University of California, San Francisco |
| United States | Simons Foundation | Understanding brain disorders related to the 15q11.2 chromosomal region | \$250,000 | Johns Hopkins University School of Medicine |
| United States | Brain & Behavior Research Foundation | The Study of Homeostatic Downscaling in Psychiatric Disorders | \$35,000 | University of Illinois at Urbana-Champaign |
| United States | National Institutes of Health | Sex-specific regulation of social play | \$250,400 | Boston College |
| United States | Simons Foundation | Genetic rescue of a mouse model of Fragile X by targeted deletion of RICTOR | \$70,000 | Albert Einstein College of Medicine |
| United States | Simons Foundation | Canonical Computations in Autism | \$137,070 | Baylor College of Medicine |
| United States | National Institutes of Health | Mechanisms underlying word learning in children with ASD: Non-social learning and | \$172,195 | Boston University |

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| United States | National Institutes of Health | The Social Brain in Schizophrenia and Autism Spectrum Disorders | \$419,139 | Hartford Hospital |
| United States | National Institutes of Health | Characterization of Oxytocin Receptors in Autism Spectrum Disorder | \$196,250 | University of California, Davis |
| United States | National Institutes of Health | Biology of Non-Coding RNAs Associated with Psychiatric Disorders | \$416,850 | University of Southern California |
| United States | Department of Defense - Army | DISRUPTION OF TROPHIC INHIBITORY SIGNALING IN AUTISM SPECTRUM DISORDERS | \$0 | Northwestern University |
| United States | National Institutes of Health | Chloride homeostasis and GABA maturation in fragile X syndrome | \$193,125 | Northwestern University |
| United States | Department of Defense - Army | The role of the new mTOR complex, mTORC2, in autism spectrum disorders | \$0 | Baylor College of Medicine |
| United States | Simons Foundation | Probing perception and sensorimotor coupling in mouse models of autism | \$75,000 | Harvard University |
| United States | Department of Defense - Army | Mechanisms of synaptic alterations in a neuroinflammation model of autism | \$0 | University of Nebraska Medical Center |
| United States | National Institutes of Health | Maternal Immune Activation in a Genetic Mouse Model of ASD | \$375,316 | University of Nebraska Medical Center |
| United States | National Institutes of Health | Mechanisms of Motor Skill Learning in the Fragile X Mouse Model | \$305,056 | University of Nebraska Medical Center |
| United States | National Institutes of Health | Imaging Brain Function in Children with Autism Spectrum Disorders with Diffuse Optical Tomography | \$141,178 | Washington University in St. Louis |
| United States | National Institutes of Health | Magnetoencephalographic studies of lexical processing and abstraction in autism | \$310,373 | University of Pennsylvania |
| United States | National Institutes of Health | Characterizing mechanistic heterogeneity across ADHD and Autism | \$465,839 | Oregon Health & Science University |
| United States | National Institutes of Health | Electrophysiological Response to Executive Control Training in Autism | \$233,604 | Boston Children's Hospital |
| United States | National Institutes of Health | Multimodal Imaging of Early Neural Signature in Autism Spectrum Disorder | \$531,432 | San Diego State University |
| United States | National Institutes of Health | Understanding the Role of EPAC2 in Cognitive Function | \$48,576 | Northwestern University |
| United States | National Institutes of Health | Functional Analysis of Rare Variants in Genes Associated with Autism | \$147,905 | Yale University |
| United States | National Institutes of Health | ACE Center: Predicting risk and resilience in ASD through social visual engagement | \$354,189 | Emory University |
| United States | National Institutes of Health | ACE Center: Predicting risk and resilience in ASD through social visual engagement | \$1 | Emory University |
| United States | National Institutes of Health | Change in social adaptive action and brain connectivity in infants' first 6 months | \$165,939 | Emory University |

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| United States | Simons Foundation | Identification of genes responsible for a genetic cause of autism | \$125,000 | Case Western Reserve University |
| United States | National Institutes of Health | Characterizing Lexical Processing in Toddlers with Autism Spectrum Disorders | \$533,529 | University of Wisconsin-Madison |
| United States | National Institutes of Health | Executive Function in Children with Typical and Atypical Language Abilities | \$564,177 | University of Wisconsin-Madison |
| United States | National Institutes of Health | Shank3 in Synaptic Function and Autism | \$401,250 | Massachusetts Institute of Technology |
| United States | Simons Foundation | The role of PTCHD1 in thalamic reticular nucleus function and ASD | \$250,000 | Massachusetts Institute of Technology |
| United States | Simons Foundation | Interneuron subtype-specific malfunction in autism spectrum disorders | \$120,000 | New York University School of Medicine |
| United States | National Institutes of Health | ACE Center: Genetic and genomic analyses to connect genes to brain to cognition in ASD | \$251,358 | University of California, Los Angeles |
| United States | Simons Foundation | Foxp1 orchestration of neuronal function in the striatum | \$73,345 | University of Texas Southwestern Medical Center |
| United States | National Institutes of Health | Neurotrophic Factor Regulation of Gene Expression | \$622,854 | Harvard Medical School |
| United States | National Institutes of Health | Neuronal Activity-Dependent Regulation of MeCP2 | \$606,287 | Harvard Medical School |
| United States | Autism Speaks | Classifying autism etiology by expression networks in neural progenitors and differentiating neurons | \$0 | Massachusetts General Hospital |
| United States | Simons Foundation | Molecular consequences of strong effect ASD mutations including 16p11.2 | \$250,000 | Massachusetts General Hospital |
| United States | National Institutes of Health | Dissecting recurrent microdeletion syndromes using dual-guide genome editing | \$580,798 | Massachusetts General Hospital |
| United States | National Institutes of Health | Genotype-Phenotype Relationships in Fragile X Families | \$547,472 | University of California, Davis |
| United States | National Institutes of Health | High content assays for cellular and synaptic phenotypes | \$421,623 | University of California, San Diego |
| United States | National Institutes of Health | Quantitative Measurements of Cortical Excitability in Neurodevelopmental Disorder | \$197,500 | Stanford University |
| United States | National Institutes of Health | Pre-adolescent and Late-adolescent Follow-up of the CHARGE Study Children | \$1,569,427 | University of California, Davis |
| United States | National Institutes of Health | Environmental Influence on Infant Microbiome Development and ASD Symptoms | \$699,660 | University of California, Davis |
| United States | Simons Foundation | A novel window into ASD through genetic targeting of striosomes - Project 1 | \$72,271 | Cold Spring Harbor Laboratory |
| United States | National Institutes of Health | Role of MEF2 and neural activity in cortical synaptic weakening and elimination | \$394,331 | University of Texas Southwestern Medical Center |

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| United States | Simons Foundation | Defining the Translational Landscape in Mouse Models of Autism - Project 1 | \$68,750 | University of Texas Southwestern Medical Center |
| United States | National Institutes of Health | Evaluating the effect of splicing mutations on isoform networks in autism | \$420,427 | University of California, San Diego |
| United States | Simons Foundation | Translational dysregulation of the RhoA pathway in autism | \$250,605 | University of California, San Diego |
| United States | National Institutes of Health | A computational framework for predicting the impact of mutations in autism | \$431,352 | University of California, San Diego |
| United States | National Institutes of Health | Early Life Seizures Disrupt Critical Period Plasticity | \$411,265 | University of Pennsylvania |
| United States | National Institutes of Health | Analysis of Shank3 Complete and Temporal and Spatial Specific Knockout Mice | \$425,202 | Duke University |
| United States | National Institutes of Health | Engrailed genes and cerebellum morphology, spatial gene expression and circuitry | \$639,375 | Memorial Sloan-Kettering Cancer Center |
| United States | National Institutes of Health | Functional connectivity substrates of social and non-social deficits in ASD | \$702,426 | Massachusetts General Hospital |
| United States | Simons Foundation | Cortico-striatal dysfunction in the eIF4E transgenic mouse model of autism | \$0 | New York University |
| United States | National Institutes of Health | Stem cell- based studies of gene-environment interactions in PTEN-associated autism | \$260,250 | University of California, Los Angeles |
| United States | National Institutes of Health | Atypical Late Neurodevelopment in Autism: A Longitudinal Clinical Phenotype and Multimodal Brain Imaging Study | \$772,038 | University of Wisconsin-Madison |
| United States | Simons Foundation | Disruption of Cortical Projection Neurons, Circuits, and Cognition in ASD | \$248,843 | George Washington University |
| United States | National Institutes of Health | Function and Structure Adaptations in Forebrain Development | \$590,225 | Children's Hospital Los Angeles |
| United States | Simons Foundation | Roles of pro-inflammatory Th17 cells in autism | \$124,846 | New York University |
| United States | Department of Defense - Army | IMPLICIT LEARNING ABILITIES PREDICT TREATMENT RESPONSE IN AUTISM SPECTRUM DISORDERS | \$0 | Weill Cornell Medical College |
| United States | Simons Foundation | Behavioral effects of fever and other illness on young children with autism –Core | \$78,882 | Weill Cornell Medical College |
| United States | National Institutes of Health | A Family-Genetic Study of Language in Autism | \$661,091 | Northwestern University |
| United States | National Institutes of Health | Perception and central coherence in autism: A family genetic eye-tracking study | \$73,594 | Northwestern University |
| United States | National Institutes of Health | A Family-Genetic Study of Autism and Fragile X Syndrome | \$868,531 | Northwestern University |

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|---------------|-------------------------------|---|-------------|---|
| United States | National Institutes of Health | The Cognitive Neuroscience of Autism Spectrum Disorders | \$1,162,902 | National Institutes of Health |
| United States | National Institutes of Health | Autism-linked endosomal mechanisms in neuronal arborization and connectivity | \$406,250 | Brown University |
| United States | National Institutes of Health | Mechanisms of circuit failure and treatments in patient-derived neurons in autism | \$406,250 | Brown University |
| United States | National Institutes of Health | The Autistic Brain Over 45: The Anatomic, Functional, and Cognitive Phenotype | \$703,652 | San Diego State University |
| United States | National Institutes of Health | Integrity and Dynamic Processing Efficiency of Networks in ASD | \$620,386 | San Diego State University |
| United States | National Institutes of Health | Neural Phenotypes of Females with Autism Spectrum Disorder | \$696,633 | University of California, Davis |
| United States | National Institutes of Health | Cell adhesion molecules in autism: a whole-brain study of genetic mouse models | \$473,750 | Cold Spring Harbor Laboratory |
| United States | National Institutes of Health | Longitudinal Investigation of Social-Communication and Attention Processes in School-Aged Children at Genetic Risk for Autism | \$723,224 | University of California, Davis |
| United States | National Institutes of Health | GABRB3 and Placental Vulnerability in ASD | \$580,565 | Stanford University |
| United States | National Institutes of Health | Multimodal Developmental Neurogenetics of Females with ASD | \$2,525,159 | George Washington University |
| United States | National Institutes of Health | Project 4: Calcium Signaling Defects in Autism (Pessah/Lein) | \$115,417 | University of California, Davis |
| United States | National Institutes of Health | A Longitudinal MRI Study of Infants at Risk for Autism | \$2,434,558 | University of North Carolina at Chapel Hill |
| United States | National Institutes of Health | Neuronal Basis of Vicarious Reinforcement Dysfunction in Autism Spectrum Disorder | \$138,243 | University of Pennsylvania |
| United States | National Institutes of Health | Animal Model of Genetics and Social Behavior in Autism Spectrum Disorders | \$457,126 | University of Pennsylvania |
| United States | National Institutes of Health | Animal Model of Genetics and Social Behavior in Autism Spectrum Disorders | \$154,314 | University of Pennsylvania |
| United States | National Institutes of Health | Neuronal Basis of Vicarious Reinforcement Dysfunction in Autism Spectrum Disorder | \$174,607 | Duke University |
| United States | National Institutes of Health | Animal Model of Genetics and Social Behavior in Autism Spectrum Disorders | \$234,157 | Duke University |
| United States | National Institutes of Health | Brain Network Dynamics Contributing to Atypical Social Interaction in Autism | \$523,573 | University of Maryland, College Park |
| United States | National Institutes of Health | ACE Center: Ontogeny and neural basis of social visual engagement in monkeys | \$267,536 | Emory University |
| United States | National Institutes of Health | ACE Center: Ontogeny and neural basis of social visual engagement in monkeys | \$1 | Emory University |

| Funder | Funder | Project Title | Funding | Institution |
|---------------|-------------------------------|---|-----------|---|
| United States | National Institutes of Health | Cortical Plasticity in Autism Spectrum Disorders | \$437,648 | Beth Israel Deaconess Medical Center |
| United States | National Institutes of Health | Research Project: Sensory and Multisensory Contributions to Autism | \$347,769 | Vanderbilt University |
| United States | National Institutes of Health | The Impact of Pten Signaling on Neuronal Form and Function | \$405,000 | Dartmouth College |
| United States | Simons Foundation | Role of Caspr2 (CNTNAP2) in brain circuits - Project 1 | \$0 | King's College London |
| United States | Simons Foundation | Role of Caspr2 (CNTNAP2) in brain circuits-Core | \$0 | Weizmann Institute of Science |
| United States | National Institutes of Health | A Multimodal Investigation of Inhibitory Dysfunction in Autism Spectrum Disorder | \$82,734 | Johns Hopkins University |
| United States | Simons Foundation | Role of a novel PRC1 complex in neurodevelopment and ASD neurobiology | \$225,000 | New York University School of Medicine |
| United States | Simons Foundation | In vivo approach to screen ASD allele functions in cortical interneurons | \$62,500 | University of California, San Francisco |
| United States | National Institutes of Health | Molecular mechanisms of the synaptic organizer alpha-neurexin | \$379,844 | University of Texas Medical Branch at Galveston |
| United States | National Institutes of Health | Impact of SynGAP1 Mutations on Synapse Maturation and Cognitive Development | \$614,568 | Scripps Research Institute - Florida |
| United States | National Institutes of Health | Development of a whole-brain cellular mapping approach in a genetic model of autism and intellectual disability | \$269,000 | Scripps Research Institute - Florida |
| United States | Simons Foundation | Dissecting primary motor cortex circuit dysfunction in a mouse model of MeCP2 duplication syndrome | \$137,500 | Brigham and Women's Hospital |
| United States | National Institutes of Health | M1 circuit dysfunction in MECP2 duplication syndrome | \$282,068 | Brigham and Women's Hospital |
| United States | National Institutes of Health | Mechanisms of Synapse Remodeling in TSC | \$126,066 | Boston Children's Hospital |
| United States | Simons Foundation | Delineating the role of Ras/MAPK signaling in 16p11.2 phenotypes | \$250,000 | University of California, San Francisco |
| United States | National Science Foundation | BRIGE: Emotion mapping of children through human-robot interaction and affective computing | \$0 | University of Louisville |
| United States | National Institutes of Health | Translational Regulation of Adult Neural Stem Cells | \$372,646 | University of Wisconsin-Madison |
| United States | National Institutes of Health | Coordinate actions between methyl-CpG binding proteins in neuronal development | \$191,250 | University of Wisconsin-Madison |
| United States | National Institutes of Health | Peripersonal Space Representation as a Basis for Social Deficits in Autism and Schizophrenia Spectrum Disorders | \$237,000 | Vanderbilt University Medical Center |
| United States | National Institutes of Health | Neural networks for attention to internal and external sensory cues in ASD | \$394,652 | Vanderbilt University Medical Center |

| Funder | Funder | Project Title | Funding | Institution |
|---------------|--------------------------------------|---|-----------|---|
| United States | Simons Foundation | Development of corticothalamic circuits of prefrontal cortex in mouse models of autism | \$75,000 | Boston Children's Hospital |
| United States | Brain & Behavior Research Foundation | Abnormal connectivity in autism | \$14,881 | University of Southern California |
| United States | Simons Foundation | Molecular characterization of temperature sensitive circuits in the mouse | \$180,000 | Harvard University |
| United States | Simons Foundation | Analysis of oxytocin function in brain circuits processing social cues | \$62,500 | Harvard University |
| United States | National Institutes of Health | Direct Examination of Imitation-Based Learning in Autism | \$282,800 | Kennedy Krieger Institute |
| United States | National Science Foundation | CAREER: Statistical models and classification of time-varying shape | \$0 | University of Utah |
| United States | National Institutes of Health | Functional and Structural Optical Brain Imaging | \$822,591 | National Institutes of Health |
| United States | National Institutes of Health | Prefrontal cortical dysfunction in Rett syndrome | \$396,250 | Case Western Reserve University |
| United States | National Institutes of Health | Monoallelic expression in neurons derived from induced pluripotent stem cells | \$417,500 | Albert Einstein College of Medicine |
| United States | Simons Foundation | Neurobiology of Rai1, a critical gene for syndromic ASDs | \$175,000 | Stanford University |
| United States | Simons Foundation | Neural mechanisms of social reward in mouse models of autism | \$249,994 | Stanford University |
| United States | National Institutes of Health | Chandellier interneurons and the excitation/inhibition balance in the human prefrontal cortex in autism | \$384,979 | University of California, Davis |
| United States | Simons Foundation | Decoding Affective Prosody and Communication Circuits in Autism | \$287,870 | Stanford University |
| United States | National Institutes of Health | Deficits in KCC2 activity and the pathophysiology of Autism spectrum disorders | \$206,250 | Tufts University Boston |
| United States | National Institutes of Health | Emergence, Stability and Predictors of Anxiety in Fragile X Syndrome | \$740,752 | University of South Carolina |
| United States | National Institutes of Health | Emergence and Stability of Autism in Fragile X Syndrome | \$714,793 | University of South Carolina |
| United States | Simons Foundation | Visualizing neural circuits of social sensory processing | \$125,000 | University of North Carolina at Chapel Hill |
| United States | National Institutes of Health | Neural Circuits That Regulate Social Motivation in Autism | \$148,379 | University of North Carolina at Chapel Hill |
| United States | Simons Foundation | Autophagy pathway alterations in lymphocytes: Potential biomarkers for autism? | \$79,551 | Columbia University |
| United States | National Institutes of Health | Mitochondrial dysfunction due to aberrant mTOR-regulated mitophagy in autism | \$183,568 | Columbia University |

| Funder | Funder | Project Title | Funding | Institution |
|---------------|--------------------------------------|---|-----------|--|
| United States | Department of Defense - Army | CIRCADIAN RHYTHMS IN CHILDREN WITH ASD AND THEIR INFANT SIBLINGS | \$0 | Naval Medical Research Center |
| United States | Brain & Behavior Research Foundation | Modeling Pitt-Hopkins Syndrome, an Autism Spectrum Disorder, in Transgenic Mice Harboring a Pathogenic Dominant Negative Mutation in TCF4 | \$0 | University of North Carolina at Chapel Hill |
| United States | National Institutes of Health | New Models For Astrocyte Function in Genetic Mouse Models of Autism Spectrum Diso | \$396,250 | Cleveland Clinic |
| United States | National Institutes of Health | Mechanisms underlying the Cerebellar Contribution to Autism in Mouse Models of Tuberous Sclerosis Complex | \$190,458 | University of Texas Southwestern Medical Center |
| United States | National Institutes of Health | Project 3: Immune Environment Interaction and Neurodevelopment | \$116,018 | University of California, Davis |
| United States | National Institutes of Health | MRI Biomarkers of Patients with Tuberous Sclerosis Complex and Autism | \$728,507 | Boston Children's Hospital |
| United States | Autism Speaks | Molecular analysis of gene-environment interactions in the intestines of children with autism | \$0 | Columbia University |
| United States | Brain & Behavior Research Foundation | Role of Serotonin Signaling during Neural Circuitry Formation in Autism Spectrum Disorders | \$15,000 | Massachusetts Institute of Technology |
| United States | National Institutes of Health | An fMRI investigation of propagated intrinsic activity in early development and autism | \$29,911 | Washington University in St. Louis |
| United States | National Institutes of Health | Organization of Excitatory and Inhibitory Circuits in ASD | \$409,250 | Boston University |
| United States | National Institutes of Health | Brain Network Development in Normal and Autistic Children | \$187,164 | University of Utah |
| United States | Simons Foundation | Cellular models for autism de novo mutations using human stem cells | \$250,000 | Broad Institute, Inc. |
| United States | National Institutes of Health | Genomics Core | \$109,153 | University of California, San Diego |
| United States | National Institutes of Health | Single-cell approaches to deconvolution of disease-associated signals | \$736,293 | University of California, San Diego |
| United States | Brain & Behavior Research Foundation | Interrogating Synaptic Transmission in Human Neurons | \$17,500 | Stanford University |
| United States | National Institutes of Health | Heparan sulfate in neurophysiology and neurological disorders | \$425,746 | Sanford Burnham Prebys Medical Discovery Institute |
| United States | National Institutes of Health | Role of Autism Susceptibility Gene, TAOK2 kinase, and its novel substrates in Synaptogenesis | \$121,022 | University of California, San Francisco |
| United States | Simons Foundation | An investigation of inductive learning in autism | \$0 | University of California, Berkeley |
| United States | National Institutes of Health | Neural basis underlying autistic behaviors | \$288,000 | Scripps Research Institute - Florida |

| Funder | Funder | Project Title | Funding | Institution |
|---------------|--------------------------------------|--|-----------|---|
| United States | National Institutes of Health | Tools for manipulating local protein synthesis in the brain | \$148,500 | University of Toronto |
| United States | National Institutes of Health | Induced neuronal cells: A novel tool to study neuropsychiatric diseases | \$615,259 | Stanford University |
| United States | National Science Foundation | UNS: GARDE: Research to Quantify the Health and Development of Children with Disabilities Around the Clock | \$0 | Kansas State University |
| United States | Simons Foundation | A new non-human primate model for studying communicative behaviors | \$125,000 | Johns Hopkins University School of Medicine |
| United States | Autism Science Foundation | Investigating Autism with Direct Intracranial Recordings | \$0 | California Institute of Technology |
| United States | Autism Speaks | Nonsocial Interests and Reward Processing in Autism Spectrum Disorders | \$30,000 | Vanderbilt University |
| United States | Simons Foundation | Disrupted Homeostatic Synaptic Plasticity in Autism Spectrum Disorders. | \$250,000 | Brandeis University |
| United States | Simons Foundation | Illuminating the role of glia in a zebrafish model of Rett syndrome | \$125,000 | University of California, San Diego |
| United States | Autism Speaks | Cell-type and circuit-specific functional deficits in cortex from gene disruptions linked to autism | \$0 | University of North Carolina at Chapel Hill |
| United States | Brain & Behavior Research Foundation | Corticogenesis and Autism Spectrum Disorders: New Hypotheses on Transcriptional Regulation of Embryonic Neurogenesis by FGFs from In Vivo Studies and RNA-sequencing Analysis of Mouse Brain | \$0 | Yale University |
| United States | Simons Foundation | Explore the pathogenic role of mTor signaling in chr16p11.2 microdeletion | \$0 | Children's Hospital Los Angeles |
| United States | National Institutes of Health | Mechanisms underlying word learning in fragile X syndrome and nonsyndromic ASD | \$156,917 | University of California, Davis |
| United States | Brain & Behavior Research Foundation | Behavioral, Cognitive, and Neural Signatures of Autism in Girls: Towards Big Data Science in Psychiatry | \$35,000 | Stanford University |
| United States | National Institutes of Health | A mouse model for AUTS2-linked neurodevelopmental disorders | \$228,838 | University of Illinois at Urbana-Champaign |
| United States | Simons Foundation | Role of the hippocampal CA2 region in autism | \$125,000 | Columbia University Medical Center |
| United States | National Institutes of Health | Endocannabinoids in social and repetitive behavioral domains | \$143,746 | Vanderbilt University |
| United States | National Institutes of Health | Functional Genomics of Human Brain Development | \$266,096 | Yale University |
| United States | National Institutes of Health | 2/2 Somatic mosaicism and autism spectrum disorder | \$694,098 | Yale University |

| Funder | Funder | Project Title | Funding | Institution |
|---------------|--------------------------------------|---|-------------|---|
| United States | National Institutes of Health | 2/2 Somatic mosaicism and autism spectrum disorder | \$72,260 | Yale University |
| United States | National Institutes of Health | Functional Genomics of Human Brain Development | \$1,621,706 | Yale University |
| United States | Autism Speaks | Na ⁺ -H ⁺ Exchanger Mechanisms in Autism Pathophysiology and Treatment | \$0 | Brown University |
| United States | Department of Defense - Army | Neural Correlates of the Y Chromosome in Autism: XYY Syndrome as a Genetic Model | \$0 | Nemours Children's Health System, Jacksonville |
| United States | National Institutes of Health | Predicting Preschool Psychopathology with Brain Connectivity in Preterm Neonates | \$169,998 | Washington University in St. Louis |
| United States | National Institutes of Health | Regulation of Neuroligins and Effects on Synapse Number and Function | \$1,133,599 | National Institutes of Health |
| United States | Brain & Behavior Research Foundation | Genotype to Phenotype Association in Autism Spectrum Disorders | \$32,500 | Massachusetts General Hospital |
| United States | National Institutes of Health | Brain Systems Underlying Episodic Memory for Social Stimuli in Childhood Autism | \$123,112 | Stanford University |
| United States | National Institutes of Health | Spastic paraplegia, neurodegeneration and autism: possible role for AT-1/SLC33A1? | \$330,978 | University of Wisconsin-Madison |
| United States | Simons Foundation | SCN2A mouse | \$0 | Duke University Medical Center |
| United States | National Institutes of Health | Connectivity of the Posterior Cerebellum | \$40,176 | Princeton University |
| United States | National Institutes of Health | Long non-coding RNAs in gene regulatory networks underlying Autism | \$253,538 | Icahn School of Medicine At Mount Sinai |
| United States | National Institutes of Health | Role of somatic mosaicism in autism, schizophrenia, and bipolar disorder brain | \$674,484 | Kennedy Krieger Institute |
| United States | National Institutes of Health | Role of somatic mosaicism in autism, schizophrenia, and bipolar disorder brain | \$163,315 | Kennedy Krieger Institute |
| United States | National Institutes of Health | Gaining insight into psychiatric disease by engineering piece by piece the human brain in vitro. | \$489,075 | Stanford University |
| United States | National Institutes of Health | Regulation of mTOR signaling in the developing cerebral cortex as a point of convergence for multiple autism risk factors | \$480,000 | Scripps Research Institute - Florida |
| United States | Simons Foundation | Impact of Pten mutations: brain growth trajectory and scaling of cell types | \$0 | Scripps Research Institute |
| United States | Brain & Behavior Research Foundation | A Massively Parallel Approach to Functional Testing of PTEN Mutations | \$34,710 | Oregon Health & Science University |
| United States | Autism Science Foundation | Calcium Channels as a Core Mechanism in the Neurobiology of ASD | \$0 | Massachusetts General Hospital |
| United States | National Institutes of Health | Reproducible protocols for robust cortical neuron and astroglial differentiation | \$453,211 | University of California, San Diego |
| United States | National Institutes of Health | Investigating the Mechanism of Optic Nerve Hypoplasia Associated with CASK Mutation | \$396,400 | Virginia Polytechnic Institute and State University |

| Funder | Funder | Project Title | Funding | Institution |
|---------------|-------------------------------|--|-----------|---|
| United States | Simons Foundation | Speech Phenotype in 16p11.2 | \$0 | Murdoch Childrens Research Institute |
| United States | National Institutes of Health | Shared and Distinct Developmental Pathways to ADHD and Autism Spectrum Disorder | \$82,062 | University of California, Davis |
| United States | Simons Foundation | Dysregulation of mTor/Tsc in 22q11DS Autism Model | \$125,000 | George Washington University |
| United States | Simons Foundation | Uncovering the impact of 16p11.2del on neurons mediating motivated behavior | \$249,629 | University of Pennsylvania |
| United States | National Institutes of Health | Development of vision and attention in typical and ASD individuals | \$282,879 | Brown University |
| United States | National Institutes of Health | Signaling Pathways in Autism | \$74,611 | University of Nebraska Medical Center |
| United States | Department of Defense - Army | BRAIN MECHANISMS OF AFFECTIVE LANGUAGE COMPREHENSION IN AUTISM SPECTRUM DISORDERS | \$0 | University of Maryland, College Park |
| United States | National Institutes of Health | Foxp2 regulation of sex specific transcriptional pathways and brain development | \$249,000 | Virginia Polytechnic Institute and State University |
| United States | Simons Foundation | Role of GABA interneurons in a genetic model of autism | \$0 | Yale University |
| United States | National Institutes of Health | mTOR modulation of myelination | \$179,658 | Vanderbilt University Medical Center |
| United States | National Institutes of Health | mTOR modulation of myelination | \$1 | Vanderbilt University |
| United States | National Institutes of Health | Dissecting neural mechanisms integrating multiple inputs in C. elegans | \$485,000 | Salk Institute for Biological Studies |
| United States | National Science Foundation | Network Optimization of Functional Connectivity in Neuroimaging for Differential Diagnosis of Brain Diseases | \$0 | University of Washington |
| United States | Simons Foundation | CHD8 and beta-catenin signaling in autism | \$62,500 | University of Chicago |
| United States | National Institutes of Health | A Novel Essential Gene for Human Cognitive Function | \$31,881 | Harvard Medical School |
| United States | Simons Foundation | Mouse Model of Dup15q Syndrome | \$0 | Texas AgriLife Research |
| United States | National Institutes of Health | Somatosensory Inhibitory Dysfunction in Autism Spectrum Disorder. | \$585,789 | Johns Hopkins University |
| United States | National Institutes of Health | Thalamic activity and structure and surface neural oscillations in autism | \$182,546 | Children's Hospital of Philadelphia |
| United States | National Institutes of Health | A longitudinal study of brain development in children with autism | \$735,113 | Children's Hospital of Philadelphia |
| United States | Department of Defense - Army | PRECURSORS TO THE DEVELOPMENT OF ANXIETY DISORDERS IN YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER | \$0 | Duke University |
| United States | Simons Foundation | Neural and cognitive discoordination in autism-related mouse models | \$0 | New York University |

| Funder | Funder | Project Title | Funding | Institution |
|---------------|--------------------------------------|--|-----------|---|
| United States | National Institutes of Health | Translation, Synchrony, and Cognition | \$379,689 | New York University |
| United States | National Institutes of Health | Neural basis of working memory and inhibitory control in ASD Children using NIRS | \$30,876 | Georgetown University |
| United States | Simons Foundation | Linking circuit dynamics and behavior in a rat model of autism | \$39,613 | University of California, San Francisco |
| United States | Department of Defense - Army | IMAGING DEPRESSION IN ADULTS WITH ASD | \$0 | State University of New York at Stony Brook |
| United States | Simons Foundation | Top-down dynamics in autism | \$210,000 | Rockefeller University |
| United States | National Institutes of Health | Optogenetic treatment of social behavior in autism | \$395,996 | University of California, Los Angeles |
| United States | Simons Foundation | Optical imaging of circuit dynamics in autism models in virtual reality | \$0 | Harvard Medical School |
| United States | National Institutes of Health | Hippocampal mechanisms in observational learning | \$397,754 | Baylor College of Medicine |
| United States | Simons Foundation | Hippocampal mechanisms of social learning in animal models of autism | \$0 | Baylor College of Medicine |
| United States | National Institutes of Health | Alterations to corticothalamic circuitry in a mouse model of autism | \$12,090 | Louisiana State University |
| United States | National Institutes of Health | Alterations to corticothalamic circuitry in a mouse model of autism | \$110,270 | Louisiana State University |
| United States | National Science Foundation | MRI: Acquisition of an Infrared Eye Tracker to Study the Emergence, Use, Loss, and Requisition of Communication Skills | \$0 | Emerson College |
| United States | Brain & Behavior Research Foundation | a-Actinin Regulates Postsynaptic AMPAR Targeting by Anchoring PSD-95 | \$19,748 | University of Tuebingen |
| United States | Simons Foundation | Microglia in models of normal brain development, prenatal immune stress and genetic risk for autism | \$200,000 | Harvard Medical School |
| United States | Simons Foundation | Role of LIN28/let-7 axis in autism | \$0 | Johns Hopkins University School of Medicine |
| United States | National Institutes of Health | Molecular mechanisms of electrical synapse formation in vivo | \$249,000 | University of Oregon |
| United States | Autism Speaks | Foundation Associates agreement (BrainNet) | \$375,000 | Foundation Associates, LLC |
| United States | Simons Foundation | PsychoGenics Inc. | \$0 | PsychoGenics Inc. |
| United States | Simons Foundation | The Medical College of Wisconsin, Inc. | \$79,243 | The Medical College of Wisconsin, Inc. |
| United States | National Science Foundation | Gesture as a forerunner of linguistic change-insights from autism | \$0 | Georgia State University |
| United States | National Institutes of Health | Role of UBE3A in the Central Nervous System | \$321,269 | University of North Carolina at Chapel Hill |
| United States | Simons Foundation | Correcting excitatory-inhibitory imbalance in autism | \$112,500 | University of North Carolina at Chapel Hill |

| Funder | Funder | Project Title | Funding | Institution |
|---------------|--------------------------------------|---|-----------|--|
| United States | Autism Speaks | Folate receptor autoimmunity in Autism Spectrum Disorders | \$0 | State University of New York Downstate Medical Center |
| United States | National Institutes of Health | The genomic bridge project (GBP) | \$167,850 | Massachusetts General Hospital |
| United States | National Institutes of Health | Brain Systems Supporting Learning and Memory in Children with Autism | \$166,338 | Stanford University |
| United States | National Institutes of Health | The neurophysiology of sensory processing and multisensory integration in ASD | \$410,019 | Syracuse University |
| United States | Simons Foundation | CNTNAP2 regulates production, migration and organization of cortical neurons | \$0 | Memorial Sloan-Kettering Cancer Center |
| United States | Brain & Behavior Research Foundation | Autism Linked LRRTM4-Heparan Sulphate Proteoglycan Complex Functions in Synapse Development | \$0 | University of Manitoba |
| United States | Autism Speaks | Temporal divergence of hypoconnectivity and excitotoxicity in Rett syndrome | \$215,784 | Vanderbilt University |
| United States | National Institutes of Health | GABA(A) Receptor Assembly/Trafficking/Function and Epilepsy Missense Mutations | \$51,188 | Vanderbilt University |
| United States | National Institutes of Health | GABA(A) Receptor Assembly/Trafficking/Function and Epilepsy Missense Mutations | \$255,937 | Vanderbilt University Medical Center |
| United States | National Institutes of Health | Molecular Pathogenesis Studies of Rett Syndrome | \$346,719 | Baylor College of Medicine |
| United States | National Institutes of Health | Understanding the Pathogenic Mechanisms of Rett Syndrome | \$343,116 | University of Pennsylvania |
| United States | National Institutes of Health | Cell Type-specific Alternative Splicing Controls Cerebral Cortical Development | \$162,356 | Boston Children's Hospital |
| United States | National Science Foundation | Social cognition for competition versus cooperation | \$382,643 | Boston College |
| United States | Simons Foundation | Analysis of Shank3 ubiquitination regulation by RNF31 phosphorylation | \$70,000 | Medical University of South Carolina |
| United States | National Institutes of Health | Proteogenetics of Autism Spectrum Disorders | \$583,992 | Scripps Research Institute |
| United States | National Institutes of Health | Mechanisms of Brain Dysfunction in Tuberous Sclerosis | \$333,594 | Washington University in St. Louis |
| United States | Autism Science Foundation | Undergraduate Research Award | \$3,000 | Yale University |
| United States | Autism Science Foundation | Grabbing the attention of females with autism spectrum disorder: An eye tracking study | \$5,000 | Instituto Nacional de Sade Doutor Ricardo Jorge (INSA) |
| United States | Brain & Behavior Research Foundation | Reconceptualizing Brain Connectivity and Development in Autism | \$35,000 | University of Miami |
| United States | National Institutes of Health | Role of 14-3-3epsilon in neurite initiation | \$340,161 | Drexel University |

| Funder | Funder | Project Title | Funding | Institution |
|---------------|--------------------------------------|--|-------------|--|
| United States | National Institutes of Health | Early Social Communication Environment and Brain Development in Infants at Risk for Autism | \$88,597 | University of North Carolina at Chapel Hill |
| United States | Autism Science Foundation | Study of a potentially novel biomarker for features of ASD | \$25,000 | Johns Hopkins University |
| United States | National Institutes of Health | Characterizing the CHD8 Complex to Determine its Role in Autism Spectrum Disorder | \$43,576 | Stanford University |
| United States | Brain & Behavior Research Foundation | Mechanisms of eIF4E-dependent Translational Control in Autism | \$66,667 | McGill University |
| United States | Brain & Behavior Research Foundation | Developmental Role of Prefrontal Cortex-raphe Circuits in Stress and Mood Disorders | \$17,500 | INSERM |
| United States | National Institutes of Health | Fragile X Phenotypes Modulated by Altered Signaling to the Synaptic Cytoskeleton | \$343,438 | Duke University |
| United States | National Institutes of Health | Quantitative Analysis of the Postsynaptic Inhibitory Complex In Vivo | \$238,500 | Duke University |
| United States | National Institutes of Health | Abnormal Cerebellar Physiology and Development in the Autistic Brain | \$43,576 | University of Chicago |
| United States | National Institutes of Health | Disrupted auditory cortical plasticity and behavior in a model of Rett syndrome | \$527,412 | Cold Spring Harbor Laboratory |
| United States | Autism Speaks | Cortical Markers of Central Auditory Processing Disorder in Minimally Verbal Children with ASD | \$30,400 | Boston University |
| United States | Department of Defense - Army | Brain Network Activation Patterns in Autism Due to Genomic Copy Number Variation | \$562,429 | Baylor College of Medicine |
| United States | Autism Speaks | Evaluating the association between parental broader autism phenotype and child ASD phenotype | \$30,400 | University of North Carolina at Chapel Hill |
| United States | National Institutes of Health | Chromosomal Boundary Alterations Driving Transcriptional Dysregulation in Brain Disorders | \$492,319 | University of California, San Diego |
| United States | Brain & Behavior Research Foundation | Advancing a Biomarker of Disrupted GABAergic Neurotransmission in Autism | \$17,500 | Massachusetts Institute of Technology |
| United States | National Institutes of Health | Determination of the Epigenetic Regulation of Gene Transcription by MECP2 in Neurons | \$30,741 | University of Kentucky |
| United States | Simons Foundation | Defining the Translational Landscape in Mouse Models of Autism - Core | \$68,750 | University of Massachusetts Medical School |
| United States | National Institutes of Health | Developmental Neurogenomics Unit | \$2,390,943 | National Institutes of Health |
| United States | Simons Foundation | Translational control by RBFox1: investigating its mechanisms and functions | \$0 | Trinity College Dublin, The University of Dublin |
| United States | National Institutes of Health | Striatal Glutamate Signaling and Cognition in Autism Mouse Models | \$225,619 | University of Illinois at Chicago |

| Funder | Funder | Project Title | Funding | Institution |
|---------------|--------------------------------------|--|-----------|---|
| United States | Simons Foundation | The role of striatal interneurons in social deficits and repetitive behaviors | \$70,000 | Yale University |
| United States | Simons Foundation | Measuring the size of face regions in female and males | \$58,035 | University of York |
| United States | Brain & Behavior Research Foundation | Dysfunction of Cortical Systems for Language and Working Memory in Autism Spectrum Disorder | \$17,500 | Boston University |
| United States | Brain & Behavior Research Foundation | Interpersonal Neural Coordination During Social Interaction in Children with Autism Spectrum Disorders | \$34,970 | University of Pittsburgh |
| United States | National Institutes of Health | The Role of Fragile X-related protein 1 in adult neurogenesis | \$27,023 | University of Wisconsin-Madison |
| United States | Autism Science Foundation | Mechanisms of sensory processing in ASD | \$25,000 | University of Rochester |
| United States | National Institutes of Health | Infant Vocal Communication: Typical Development and Autism Risk | \$565,736 | University of Memphis |
| United States | National Institutes of Health | Role of the intracellular signal integrator CC2D1A in the developing nervous system | \$56,118 | George Washington University |
| United States | Simons Foundation | Probing the development and reversibility of autism-related phenotypes in SETD5 conditional knockout mice | \$99,730 | Institute of Science and Technology Austria |
| United States | Autism Research Institute | Proteomic Studies of Autistic Brain | \$25,650 | Cleveland Clinic |
| United States | Brain & Behavior Research Foundation | Evoked Neurotransmitter and Neurochemical Amygdala Responses and Autonomic Arousal to Social Threat and Safety Signals in Typically Developing and Autistic Children and Adolescents | \$35,000 | University of Wisconsin-Madison |
| United States | Autism Science Foundation | Role of an autism-related cytokine in a genetic model of ASD | \$25,000 | University of California, San Diego |
| United States | National Institutes of Health | Endoplasmic Reticulum Stress as a Novel Mechanism of Synaptic Dysfunction in Autism-Associated NLGN3 R451C Human Neurons | \$37,840 | Rutgers Robert Wood Johnson Medical School |
| United States | National Institutes of Health | Understanding the biology of language impairment through whole genome sequencing | \$628,737 | University of Iowa |
| United States | Autism Speaks | Elucidating synapse-specific defects underlying autism | \$30,400 | University of Utah |
| United States | National Institutes of Health | Genetic models for social attachment deficits in psychiatric illness | \$184,131 | University of California, San Francisco |
| United States | National Institutes of Health | Loss and rescue of endocannabinoid-dependent LTP and memory in Fragile-X model mice | \$460,044 | University of California, Irvine |
| United States | Brain & Behavior Research Foundation | The Impact of Sleep Disturbance During Development on Autism-like Social Behavior in Voles | \$35,000 | Portland VA Research Foundation; Oregon Health and Science University |

| Funder | Funder | Project Title | Funding | Institution |
|---------------|-------------------------------|--|-------------|---|
| United States | National Institutes of Health | Environmental Influences on Neurodevelopmental Outcome in Infants Born Very Preterm | \$1,542,929 | Women & Infants Hospital |
| United States | National Institutes of Health | Developmental programming of sex differences in brain innate immune cells | \$183,965 | Ohio State University |
| United States | National Institutes of Health | Prenatal environmental toxicants induce neuroinflammation causing autistic behaviors | \$608,021 | Wadsworth Center |
| United States | National Institutes of Health | The Role of BK Channels in Neuropathology of Fragile X Syndrome | \$380,000 | Washington University in St. Louis |
| United States | National Institutes of Health | Developing measures for community-based research on trauma and related conditions in ASD | \$133,492 | Drexel University |
| United States | National Institutes of Health | Genetic-imaging study of obsessive compulsive behavior in autism | \$316,135 | Brown University |
| United States | Simons Foundation | Restoring GABA inhibition in a Rett syndrome mouse model by tuning a kinase-regulated Cl ⁻ rheostat | \$66,839 | Yale University |
| United States | National Institutes of Health | BPA, Cortical Development and Gene Expression: Implications for Autism | \$236,192 | University of Illinois at Urbana-Champaign |
| United States | National Institutes of Health | Molecular causes of cognitive and autistic disabilities | \$520,996 | Tufts University Boston |
| United States | National Institutes of Health | Birth Defects: Moebius syndrome and related facial weakness disorders | \$368,816 | Icahn School of Medicine At Mount Sinai |
| United States | National Institutes of Health | Reaching, posture, object exploration, and language in high- and low-risk infants | \$527,883 | University of Pittsburgh |
| United States | National Institutes of Health | Cortical Circuit Dysfunction in Fragile X Syndrome | \$339,738 | University of Colorado Denver |
| United States | Simons Foundation | Do toll-like receptor innate immune responses act via autism risk genes to alter neuronal morphology and function? | \$70,000 | Institute of Molecular Biology, Academia Sinica |
| United States | National Institutes of Health | Network Abnormalities in Autism | \$77,313 | University of Vermont |
| United States | National Institutes of Health | Rescuing Motor Deficits In SHANK3 Related Disorders | \$178,190 | Baylor College Of Medicine |
| United States | Department of Defense - Army | Forward Genetic Screen to Identify Novel Therapeutic Entry Points of an Autism Spectrum Disorder | \$587,878 | Baylor College of Medicine |
| United States | National Institutes of Health | Neural Mechanisms for Social Interactions and Eye Contact in ASD | \$713,408 | Yale University |
| United States | National Institutes of Health | Adult Neurogenesis and Executive Function | \$417,500 | Albert Einstein College of Medicine |
| United States | National Institutes of Health | Linking Defects in Cortical Network Activity with Altered Sensory Perception in Fragile X Mice | \$35,845 | University of California, Los Angeles |

| Funder | Funder | Project Title | Funding | Institution |
|---------------|--------------------------------------|---|-----------|---|
| United States | National Institutes of Health | Akt-mTOR Pathway Impact on Neural Stem Cell Fates | \$380,133 | Richard Stockton College of New Jersey |
| United States | Brain & Behavior Research Foundation | Common Thalamic Circuits for Sleep and Attention | \$17,500 | New York University |
| United States | Simons Foundation | Gender and temporoparietal network interactions in autism | \$70,000 | Princeton University |
| United States | National Institutes of Health | Integration of Emerging Technologies to Define the Spectrum of Structural Variation in Neuropsychiatric Disease | \$58,794 | Massachusetts General Hospital |
| United States | National Institutes of Health | Experience-dependent plasticity of synaptic structure.-Resubmission-1 | \$370,781 | New York University School of Medicine |
| United States | National Institutes of Health | GABAergic Neurophysiology in Autism Spectrum Disorder | \$195,048 | Stanford University |
| United States | Brain & Behavior Research Foundation | In vivo Imaging of Prefrontal Cortical Activity During Social Interactions in Normal and Autism Mice | \$35,000 | Duke University |
| United States | Autism Research Institute | Unique Mitochondrial Dysfunction in Autism Spectrum Disorder | \$20,000 | University of Arkansas |
| United States | Brain & Behavior Research Foundation | Excitatory/Inhibitory Imbalance in Autism and Early-course Schizophrenia | \$14,931 | Yale University |
| United States | National Institutes of Health | SLC7A5-MTOR Regulation of Neural Development | \$442,241 | Clemson University |
| United States | National Institutes of Health | Visual Circuit Regression and Its Rescue in RTT Mouse Models | \$564,049 | Boston Children's Hospital |
| United States | National Institutes of Health | Functional architecture of a face processing area in the common marmoset | \$48,576 | Weill Cornell Medical College |
| United States | Autism Science Foundation | Genetic mutations in chromosome 16 and their role in autism | \$25,000 | University of Texas Southwestern Medical Center |
| United States | Simons Foundation | Does Astrocyte Dysfunction Contribute to Synaptic Pathologies in Autism? | \$75,000 | Duke University Medical Center |
| United States | Simons Foundation | Convergent signaling pathways linking PTEN and MeCP2, two risk genes for autism spectrum disorders | \$67,200 | Charité – Medical University of Berlin |
| United States | Brain & Behavior Research Foundation | Developing Neural Markers to Evaluate Social Skills Training in ASD | \$35,000 | California Institute of Technology |
| United States | Brain & Behavior Research Foundation | Cellular Mechanisms Controlling White Matter Connectivity: Making Sense of a Genetic Risk Factor for Autism and Schizophrenia | \$35,000 | Columbia University |
| United States | Brain & Behavior Research Foundation | Molecular Dimorphism in the Locus Coeruleus May Mediate Sex-specific Differences in Psychiatric Disease Risk | \$25,000 | Washington University in St. Louis |
| United States | National Institutes of Health | The Nature of Astrocyte Heterogeneity in RTT | \$196,974 | Baylor College Of Medicine |

| Funder | Funder | Project Title | Funding | Institution |
|---------------|--------------------------------------|--|-----------|---|
| United States | Simons Foundation | Assessing thalamocortical circuit function in TSC1 and NHE6 mouse models | \$75,000 | Brown University |
| United States | Brain & Behavior Research Foundation | Rapid Phenomic Interrogation of CRISPR-Cas9 Edited Mammalian Brains | \$35,000 | Massachusetts Institute of Technology |
| United States | Brain & Behavior Research Foundation | The Role of Sensory Over-responsivity in the Development of Anxiety in Children With and Without Autism | \$34,672 | Duke University Medical Center |
| United States | National Institutes of Health | Robust trans-synaptic labeling technologies for cell type-specific quantitation of synaptic connectivity | \$333,000 | Salk Institute for Biological Studies |
| United States | National Institutes of Health | Regulation of Excitatory-Inhibitory Balance by Local Translation of the Immediate Early Gene Npas4 | \$54,294 | University of California, San Diego |
| United States | National Institutes of Health | Environmental Toxins and Microglia-Synapse Interactions in Autism | \$396,969 | Massachusetts General Hospital |
| United States | National Institutes of Health | Compressive Genomics for Large Omics Data Sets: Algorithms, Applications and Tools | \$372,014 | Massachusetts Institute of Technology |
| United States | Autism Science Foundation | Undergraduate Research Award | \$3,000 | Children's Hospital of Philadelphia |
| United States | National Institutes of Health | The Role of Central Gain Control in Hyperacusis of Diverse Origin | \$58,408 | State University of New York at Buffalo |
| United States | Simons Foundation | Quantification of Learning Algorithm Performance to Inputs of Variable Complexity: Implications for Emotional Intelligence in Autism Spectrum Disorder | \$15,791 | Boston Children's Hospital |
| United States | Simons Foundation | The intersection between habit and anxiety in a genetic model of autism | \$125,000 | Cold Spring Harbor Laboratory |
| United States | National Institutes of Health | Optimizing Prediction of Social Deficits in Autism Spectrum Disorders | \$428,200 | State University of New York at Stony Brook |
| United States | Simons Foundation | Brain imaging of treatment response | \$124,334 | The Hospital for Sick Children |
| United States | Simons Foundation | BAZ1B Haploinsufficiency and the Neuro-phenotypes of Williams Syndrome | \$0 | University of California, Santa Barbara |
| United States | National Institutes of Health | Multiscale Genetic Connectivity of Primate Social Circuits | \$643,674 | University of Utah |
| United States | National Institutes of Health | Profiles and Predictors of Pragmatic Language Impairments in the FMR1 Premutation | \$36,454 | University of South Carolina |
| United States | National Institutes of Health | FMRP and Pumilio co-regulate synaptogenesis by controlling Neuroglial expression | \$27,936 | Vanderbilt University |
| United States | Simons Foundation | Translational dysregulation in autism pathogenesis and therapy | \$250,000 | Massachusetts General Hospital |
| United States | Autism Science Foundation | Brain Somatic Mosaicism at ASD-Associated Loci | \$0 | University of Michigan |

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|---------------|-------------------------------|---|-----------|---|
| United States | National Institutes of Health | Novel non-cell autonomous mechanisms of callosal dysgenesis in CHARGE syndrome | \$34,952 | University of Michigan |
| United States | National Institutes of Health | BDNF regulation of the cortical neuron transcriptome | \$77,000 | University of Colorado Denver |
| United States | Autism Speaks | Neurobiological foundations of self-conscious emotion understanding in adolescents with ASD | \$30,000 | University of Oregon |
| United States | National Institutes of Health | Alternative splicing-mediated mechanisms of cortical interneuron maturation and circuit integration | \$96,751 | New York University School of Medicine |
| United States | Simons Foundation | The IL-17 pathway in the rodent model of autism spectrum disorder | \$90,000 | University of Massachusetts Medical School |
| United States | National Institutes of Health | Decoding the RGS14 Interactome/Signalosome in CA2 hippocampal neurons | \$234,000 | Emory University |
| United States | National Institutes of Health | Bidirectional Tyrosine Kinase Signaling | \$523,695 | University of Texas Southwestern Medical Center |
| United States | National Institutes of Health | Effects of Social Gaze Training on Brain and Behavior in Fragile X Syndrome | \$353,914 | Stanford University |
| United States | National Institutes of Health | The cognitive searchlight: TRN circuit dissection in health and disease | \$513,366 | New York University School of Medicine |
| United States | Autism Speaks | Alterations of the human brain structural connectome in preschool aged children with ASD | \$30,000 | University of California, Davis |
| United States | Simons Foundation | A novel window into ASD through genetic targeting of striosomes - Core | \$175,141 | Massachusetts Institute of Technology |
| United States | National Institutes of Health | Scalable technologies for genome engineering in hPSCs | \$306,948 | University of California, San Diego |
| United States | Simons Foundation | Understanding somatosensory deficits in Autism Spectrum Disorder | \$125,000 | Harvard University |
| United States | National Institutes of Health | Elucidating cutaneous mechanosensory circuits, from development to disease | \$831,501 | Harvard Medical School |
| United States | National Institutes of Health | Genetics of conotruncal defects and associated neurodevelopmental outcomes | \$453,446 | Icahn School of Medicine At Mount Sinai |
| United States | National Institutes of Health | CRISPR/Cas9-Based Functional Characterization of ANK2 Mutations in ASD Neural Circuitry | \$95,886 | Massachusetts General Hospital |
| United States | National Institutes of Health | Thalamocortical circuit defects in developmental brain disorders | \$492,465 | University of Maryland, Baltimore |
| United States | Simons Foundation | The Role of Cation/Proton Exchanger NHE9 in Autism | \$62,500 | University of California, San Francisco |
| United States | National Institutes of Health | Prenatal Origins of Neurometabolic Consequences | \$316,354 | University of California, Los Angeles |

| Funder | Funder | Project Title | Funding | Institution |
|---------------|--------------------------------------|--|-----------|---|
| United States | Autism Science Foundation | Genetics Behind Brain Connectivity in ASD | \$0 | University of Texas Southwestern Medical Center |
| United States | National Science Foundation | SHB: Type II (INT): Synthesizing self-model and mirror feedback imageries with applications to behavior modeling for children with autism | \$0 | University of Kentucky |
| United States | National Institutes of Health | Components of Emotional Processing in Toddlers with ASD | \$669,551 | Yale University |
| United States | National Institutes of Health | Sensory contributions to autism spectrum disorders and links to social responsiveness | \$28,234 | Vanderbilt University |
| United States | National Institutes of Health | Prefrontal corticothalamic circuits in autism | \$178,646 | University of California, San Francisco |
| United States | Brain & Behavior Research Foundation | Antigenic Specificity and Neurological Effects of Monoclonal Anti-brain Antibodies Isolated from Mothers of a Child with Autism Spectrum Disorder: Toward Protection Studies | \$35,000 | The Feinstein Institute for Medical Research |
| United States | National Institutes of Health | Astrocytes contribution to tuberous sclerosis pathology | \$249,750 | Yale University |
| United States | Simons Foundation | Electrophysiological consequences of SCN2A mutations found in ASD | \$0 | University of California, San Francisco |
| United States | Autism Speaks | Behavioral and Neural Variability in Autism Spectrum Disorder | \$0 | Vanderbilt University |
| United States | Simons Foundation | Identifying autism-associated signaling pathways regulated by CHD8 in vivo | \$62,500 | King's College London |
| United States | Simons Foundation | Novel technology for behavioral phenotyping of autism mouse models | \$75,000 | California Institute of Technology |
| United States | National Science Foundation | Collaborative Research: Revealing the Invisible: Data-Intensive Research Using Cognitive, Psychological, and Physiological Measures to Optimize STEM Learning | \$0 | Massachusetts Institute of Technology |
| United States | National Institutes of Health | Developmental Linkage of Metabolic Homeostasis and Sociality | \$281,746 | Indiana University |
| United States | Simons Foundation | Identification of shared transcriptional profiles with three high-confidence autism mouse models | \$100,000 | University of North Carolina at Chapel Hill |
| United States | National Institutes of Health | The Elongation Hypothesis of Autism | \$760,000 | University of North Carolina at Chapel Hill |
| United States | Autism Speaks | PET/MRI investigation of neuroinflammation in autism spectrum disorders | \$0 | Massachusetts General Hospital |
| United States | National Institutes of Health | Role of Brg1 in Activity-Induced Neuronal Gene Expression and Synaptic Plasticity | \$365,696 | University of Texas Southwestern Medical Center |
| United States | Simons Foundation | MAGEL2, a candidate gene for autism and Prader-Willi syndrome | \$53,753 | University of Alberta |
| United States | National Institutes of Health | Eyeblink conditioning in school-aged children with ASD | \$497,699 | Seattle Children's Hospital |

| Funder | Funder | Project Title | Funding | Institution |
|---------------|--------------------------------------|--|-----------|---|
| United States | National Institutes of Health | Development and afferent regulation of auditory neurons | \$380,000 | Florida State University |
| United States | Brain & Behavior Research Foundation | Neural Basis of Deficits in Multisensory Integration in Schizophrenia and ASD | \$17,500 | Columbia University |
| United States | Brain & Behavior Research Foundation | A Novel GABA Signalling Pathway in the CNS | \$25,000 | McLean Hospital |
| United States | Simons Foundation | Characterizing Sensory Hypersensitivities in Autism | \$230,098 | Massachusetts General Hospital |
| United States | Simons Foundation | Functional and behavioral analysis of zebrafish ASD models | \$74,975 | University of Queensland |
| United States | Autism Speaks | Neural Synchrony and Plasticity in Children with Autism | \$0 | University of North Carolina at Chapel Hill |
| United States | Simons Foundation | Linking cortical circuit dysfunction and abnormal behavior in genetic mouse models of autism | \$0 | University of California, Los Angeles |
| United States | National Institutes of Health | Inhibitory dysfunction in autism | \$552,541 | University of Washington |
| United States | Brain & Behavior Research Foundation | The Interplay Between Human Astrocytes and Neurons in Psychiatric Disorders | \$75,000 | University of California, San Diego |
| United States | Brain & Behavior Research Foundation | Modeling Microglial Involvement in Autism Spectrum Disorders, with Human Neuro-glia Co-cultures | \$35,000 | Whitehead Institute for Biomedical Research |
| United States | Simons Foundation | Immune signaling in the developing brain in mouse models of ASD | \$200,000 | University of California, Davis |
| United States | National Institutes of Health | Cellular and Molecular Analysis of the Schizophrenia and Autism Spectrum Disorder gene Transcription Factor 4 (TCF4) | \$456,500 | Lieber Institute, Inc. |
| United States | Autism Speaks | Identification and validation of genetic variants which cause the Autism Macrocephaly subphenotype | \$0 | University of California, Los Angeles |
| United States | National Institutes of Health | Cdh8-dependent circuit development in autism | \$423,750 | Icahn School of Medicine At Mount Sinai |
| United States | Simons Foundation | Neurobiological basis of connectivity deficits in autism | \$67,436 | Fondazione Istituto Italiano di Tecnologia |
| United States | National Institutes of Health | Autism Spectrum Disorders and Depression: Shared Mechanisms in Brain and Behavior | \$160,115 | Vanderbilt University Medical Center |
| United States | National Institutes of Health | Predicting Voice Quality in ASD from Early Markers of Vocal Development | \$67,078 | Emory University |
| United States | Brain & Behavior Research Foundation | Dissecting the Human Magnocellular Visual Pathway in Perceptual Disorders | \$33,000 | New York University |
| United States | National Institutes of Health | Functional analysis of Neuroligin-Neurexin interactions in synaptic transmission | \$366,406 | University of Massachusetts Medical School |
| United States | National Institutes of Health | Statistical Methods for Ultrahigh-dimensional Biomedical Data | \$292,777 | Princeton University |

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|---------------|--------------------------------------|--|-----------|---|
| United States | Autism Speaks | Dissecting the 16p11.2 CNV endophenotype in induced pluripotent stem cells | \$0 | University of California, San Francisco |
| United States | Simons Foundation | Mechanisms that Connect Autism with Homeostatic Synaptic Plasticity | \$125,000 | University of California, San Francisco |
| United States | Simons Foundation | Exploring the Intersection of Autism and Homeostatic Synaptic Plasticity | \$0 | University of California, San Francisco |
| United States | National Science Foundation | Collaborative Research: Revealing the Invisible: Data-Intensive Research Using Cognitive, Psychological, and Physiological Measures to Optimize STEM Learning | \$0 | Landmark College |
| United States | Simons Foundation | Disrupted Network Activity in Neonatal Cortex of Mouse Models of Autism | \$62,500 | Yale University |
| United States | Simons Foundation | Chromatin remodeling in autism | \$250,000 | Stanford University |
| United States | National Institutes of Health | ANALYSIS OF CORTICAL FUNCTION | \$216,871 | National Institutes of Health |
| United States | Brain & Behavior Research Foundation | Signaling Pathways that Regulate Excitatory-inhibitory Balance | \$35,000 | University of California, San Diego |
| United States | Brain & Behavior Research Foundation | Multimodal Characterization of the Brain Phenotype in Children with Duplication of the 7q11.23 Williams Syndrome Chromosomal Region: A Well-defined Genetic Model for Autism | \$100,000 | National Institutes of Health |
| United States | Simons Foundation | How do autism-related mutations affect basal ganglia function? | \$62,500 | University of California, Berkeley |
| United States | National Institutes of Health | Phenotyping Astrocytes in Human Neurodevelopmental Disorders | \$386,463 | Stanford University |
| United States | National Science Foundation | Collaborative Research: Revealing the Invisible: Data-Intensive Research Using Cognitive, Psychological, and Physiological Measures to Optimize STEM Learning | \$0 | TERC Inc |
| United States | National Institutes of Health | Decoding Neural Systems Underlying Affective Prosody in Children with Autism | \$172,398 | Stanford University |
| United States | Autism Speaks | CYFIP function/s in brain: insights into Autism Spectrum Disorders | \$117,500 | Vlaams Instituut voor Biotechnologie |
| United States | Autism Speaks | Investigating Shank3 function during synaptogenesis in mice to define a therapeutic window for ASD. | \$30,000 | Duke University |
| United States | Autism Speaks | Monitoring Treatment-Induced Neuroanatomical Changes in a Mouse Model of Rett Syndrome | \$30,000 | The Hospital for Sick Children |

