2011 Portfolio Analysis Projects

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

QUESTION 3: WHAT CAUSED THIS TO HAPPEN AND CAN IT BE PREVENTED?

3.S.A

Coordinate and implement the inclusion of approximately 20,000 subjects for genome-wide association studies, as well as a sample of 1,200 for sequencing studies to examine more than 50 candidate genes by 2011. Studies should investigate factors contributing to phenotypic variation across individuals that share an identified genetic variant and stratify subjects according to behavioral, cognitive, and clinical features. *IACC Recommended Budget: $43,700,000 over 4 years.*

Project Title	Principal Investigator	Institution	Funding	Funder
Advanced parental age and autism: The role of aneuploidy and uniparental disomy in ASD pathogenesis	Berko, Esther	Albert Einstein College of Medicine of Yeshiva University	$28,000.00	Autism Speaks
Genome-wide expression profiling data analysis to study autism genetic models	Luo, Rui	University of California, Los Angeles	$28,000.00	Autism Speaks
Rapid phenotyping for rare variant discovery in autism	Nelson, Stanley	University of California, Los Angeles	$645,169.00	National Institutes of Health
Isolation of autism susceptibility genes	Stefansson, Kari	deCODE Genetics, ehf.	$591,231.00	National Institutes of Health
Finding autism genes by genomic copy number analysis	Walsh, Christopher	Boston Children's Hospital	$577,035.00	National Institutes of Health
Genomic influences on developmental course and outcome in Infants at risk of ASD: A Baby Siblings Research Consortium (BSRC) Study	Zwaigenbaum, Lonnie	University of Alberta	$0.00	Autism Speaks
Genomic influences on development and outcomes in Infants at risk of ASD	Zwaigenbaum, Lonnie	University of Alberta	$337,779.00	Autism Speaks

3.S.C

Initiate efforts to expand existing large case-control and other studies to enhance capabilities for targeted gene – environment research by 2011. *IACC Recommended Budget: $27,800,000 over 5 years.*

Project Title	Principal Investigator	Institution	Funding	Funder
Prenatal and neonatal biologic markers for autism	Croen, Lisa	Kaiser Foundation Research Institute	$610,723.00	National Institutes of Health
Vitamin D status and autism spectrum disorder: Is there an association?	Hammock, Bruce	University of California, Davis	$0.00	Autism Speaks
Autism risk, prenatal environmental exposures, and pathophysiologic markers	Hertz-Picciotto, Irva	University of California, Davis	$1,858,222.00	National Institutes of Health
The CHARGE Study: Childhood Autism Risks from Genetics and the Environment	Hertz-Picciotto, Irva	University of California, Davis	$965,562.00	National Institutes of Health
Genetics and gene-environment interactions in a Korean epidemiological sample of autism	Kim, Young Shin	Yale University	$74,662.00	Simons Foundation
Center for Genomic and Phenomic Studies in Autism (supplement)	Lajonchere, Clara	University of Southern California	$141,462.00	National Institutes of Health
Center for Genomic and Phenomic Studies in Autism	Lajonchere, Clara	University of Southern California	$2,032,846.00	National Institutes of Health
EPA/NIEHS Center for Children's Environmental Health (CCEH) at UC Davis	Pessah, Isaac	University of California, Davis	$0.00	Environmental Protection Agency
Project 1: Effect of multi-level environmental exposure on birth outcomes	Tager, Ira	University of California, Berkeley	$30,931.00	National Institutes of Health
Perinatal exposure to airborne pollutants and associations with autism phenotype	Volk, Heather	University of Southern California	$0.00	Autism Speaks

3.S.E

Support at least two studies to determine if there are subpopulations that are more susceptible to environmental exposures (e.g., immune challenges related to infections, vaccinations, or underlying autoimmune problems) by 2012. *IACC Recommended Budget: $8,000,000 over 2 years.*

Project Title	Principal Investigator	Institution	Funding	Funder
Autism spectrum disorder and autoimmune disease of mothers	Diamond, Betty	The Feinstein Institute for Medical Research	$91,480.00	Simons Foundation
Research project about a potential infectious origin of autism	Montagnier, Luc	Institut de Recherche Luc Montagnier	$0.00	Autism Research Institute
Vulnerability phenotypes and susceptibility to environmental toxicants: From organism to mechanism	Noble, Mark	University of Rochester	$0.00	Autism Speaks
Evaluation of the immune and physiologic response in children with autism following immune challenge	Van de Water, Judy	University of California, Davis	$327,735.00	Autism Speaks
Etiology of autism risk involving MET gene and the environment	Van de Water, Judy	University of California, Davis	$0.00	Autism Speaks

3.S.F

Initiate studies on at least 10 environmental factors identified in the recommendations from the 2007 IOM report "Autism and the Environment: Challenges and Opportunities for Research" as potential causes of ASD by 2012. *Estimated cost $56,000,000 over 2 years.*

Project Title	Principal Investigator	Institution	Funding	Funder
MeHG stimulates antiapoptotic signaling in stem cells	Bressler, Joseph	Kennedy Krieger Institute	$0.00	Department of Defense
Immunopathogenesis in autism: Regulatory T cells and autoimmunity in neurodevelopment	DeWitt, Jamie	East Carolina University	$0.00	Department of Defense
Early exposure to acetaminophen and autism	Hertz-Picciotto, Irva	University of California, Davis	$0.00	Autism Speaks

3.S.G

Convene a workshop that explores the usefulness of bioinformatic approaches to identify environmental risks for ASD by 2011.

Project Title	Principal Investigator	Institution	Funding	Funder
Environmental Bioinformatics Workshop	No PI listed	National Institutes of Health	$46,991	National Institutes of Health

3.S.H

Support at least three studies of special populations or use existing databases to inform our understanding of environmental risk factors for ASD in pregnancy and the early postnatal period by 2012. Such studies could include:

- Comparisons of populations differing in geography, gender, ethnic background, exposure history (e.g., prematurity, maternal infection, nutritional deficiencies, toxins), and migration patterns; and
- Comparisons of phenotype (e.g., cytokine profiles), in children with and without a history of autistic regression, adverse events following immunization (such as fever and seizures), and mitochondrial impairment. These studies may also include comparisons of phenotype between children with regressive ASD and their siblings.
- Emphasis on environmental factors that influence prenatal and early postnatal development is particularly of high priority. Epidemiological studies should pay special attention to include racially and ethnically diverse populations.

IACC Recommended Budget: $12,000,000 over 5 years.

Project Title	Principal Investigator	Institution	Funding	Funder
Structural and functional neural correlates of early postnatal deprivation	Behen, Michael	Wayne State University	$150,423.00	National Institutes of Health
Multi-registry analyses for iCARE - Data Management Core	Bresnahan, Michaeline	Columbia University	$72,160.00	Autism Speaks
Effect of oxytocin receptor inhibitor (atosiban) during the perinatal period and prevalence of autism spectrum disorders	Ebstein, Richard	Hebrew University	$105,443.00	Autism Speaks
Multi-registry analyses for iCARE - Israel	Gross, Raz	The Gertner Institute of Epidemiology and Health Policy Research	$38,335.00	Autism Speaks
Multi-registry analyses for iCARE-Sweden	Hultman, Christina	Karolinska Institutet	$37,400.00	Autism Speaks
Neonatal biomarkers in extremely preterm babies predict childhood brain disorders	Kuban, Karl	Boston Medical Center	$3,465,570.00	National Institutes of Health

Early life environmental exposures and autism in an existing Swedish birth cohort	Lee, Brian	Drexel University	$0.00	Autism Speaks
Multi-registry analyses for iCARE-West Australia	Leonard, Helen	The University of Western Australia	$52,587.00	Autism Speaks
Risk factors, comorbid conditions, and epidemiology of autism in children	Nylund, Cade	Henry M. Jackson Foundation	$143,162.00	Department of Defense
Epidemiologic studies of reproductive and developmental outcomes – Denmark	Olsen, Jorn	Aarhus University	$300,054.00	Centers for Disease Control and Prevention
Multi-registry analyses for iCARE - Denmark	Parner, Eric	Aarhus University	$37,928.00	Autism Speaks
Assisted reproductive treatments and risk of autism	Reichenberg, Avi	Institute of Psychiatry, King's College London	$0.00	Autism Speaks
Multi-registry analyses for iCARE - Finland	Sourander, Andre	Turku University	$38,335.00	Autism Speaks
Multi-registry analyses for iCARE - Norway	Stoltenberg, Camilla	Norwegian Institute of Public Health	$37,115.00	Autism Speaks

3.S.I

Support at least two studies that examine potential differences in the microbiome of individuals with ASD versus comparison groups by 2012. *IACC Recommended Budget: $1,000,000 over 2 years.*

Project Title	Principal Investigator	Institution	Funding	Funder
Defining the underlying biology of gastrointestinal dysfunction in autism	Ashwood, Paul	University of California, Davis	$384,971.00	Autism Speaks
Further studies on the role of desulfovibrio in regressive autism	Finegold, Sydney	VA Medical Center, Los Angeles	$30,000.00	Autism Research Institute

Analysis of the small intestinal microbiome of children with autism	Kushak, Rafail	Massachusetts General Hospital	$0.00	Department of Defense
The role of intestinal microbiome in children with autism	Winter, Harland	Harvard Medical School	$25,000.00	Autism Research Institute

3.S.J

Support at least three studies that focus on the role of epigenetics in the etiology of ASD, including studies that include assays to measure DNA methylations and histone modifications and those exploring how exposures may act on maternal or paternal genomes via epigenetic mechanisms to alter gene expression, by 2012. *IACC Recommended Budget: $20,000,000 over 5 years.*

Project Title	Principal Investigator	Institution	Funding	Funder
Studies of postmortem brain searching for epigenetic defects causing autism	Beaudet, Arthur	Baylor College of Medicine	$200,000.00	Simons Foundation
The role of the Rett gene, chromosome 15q11-q13, other genes, and epigenetics	Beaudet, Arthur	Baylor College of Medicine	$1,187.00	National Institutes of Health
Human neurobehavioral phenotypes associates with the extended PWS/AS domain	Beaudet, Arthur	Baylor College of Medicine	$628,392.00	National Institutes of Health
In vivo function of neuronal activity-induced MeCP2 phosphorylation	Chang, Qiang	University of Wisconsin - Madison	$292,721.00	National Institutes of Health
Genome-wide analyses of DNA methylation in autism	Chess, Andrew	Massachusetts General Hospital	$200,000.00	Simons Foundation
Cell speciflc genomic imprinfing during cortical development and in mouse models	Dulac, Catherine	Harvard University	$312,559.00	National Institutes of Health
Genome-wide examination of DNA methylation in autism	Fallin, Dani	Johns Hopkins University	$0.00	Autism Speaks
Environment, the perinatal epigenome, and risk for autism and related disorders	Fallin, Margaret	Johns Hopkins University	$2,014,788.00	National Institutes of Health

Discordant monozygotic twins as a model for genetic-environmental interaction in autism	Feinberg, Andrew	Johns Hopkins University	$0.00	Department of Defense
Epigenetic and transcriptional dysregulation in autism spectrum disorder	Geschwind, Daniel	University of California, Los Angeles	$764,608.00	National Institutes of Health
Identification of aberrantly methylated genes in autism: The role of advanced paternal age	Gingrich, Jay	Research Foundation for Mental Hygiene, Inc.	$0.00	Simons Foundation
Maternal supplementation of folic acid and function of autism gene synaptic protein Shank3 in animal model	Jiang, Yong-Hui	Baylor College of Medicine	$87,793.00	Autism Speaks
Discordant monozygotic twins as a model for genetic-environmental interaction in autism	Kaufmann, Walter	Kennedy Krieger Institute	$0.00	Department of Defense
Molecular analysis of bipolar and schizophrenia candidate genes	Lachman, Herbert	Albert Einstein College of Medicine of Yeshiva University	$408,400.00	National Institutes of Health
Paternal age and epigenetic mechanisms in psychiatric disease	Milekic, Maria H.	Research Foundation for Mental Hygiene, Inc/NYSPI	$0.00	Brain & Behavior Research Foundation
Genome-wide methylation analyses in autism	Natowicz, Marvin	Cleveland Clinic	$8,419.00	Autism Research Institute
Locus-specific imprinting on the mammalian X chromosome (supplement)	O'Neill, Michael	University of Connecticut	$16,875.00	National Institutes of Health
Locus-specific imprinting on the mammalian X chromosome	O'Neill, Michael	University of Connecticut	$327,994.00	National Institutes of Health
Identical twins discordant for autism: Epigenetic (DNA methylation) biomarkers of non-shared environmental influences	Plomin, Robert	King's College London	$89,030.00	Autism Speaks

3.S.K

Support two studies and a workshop that facilitate the development of vertebrate and invertebrate model systems for the exploration of environmental risks and their interaction with gender and genetic susceptibilities for ASD by 2012. *IACC Recommended Budget: $1,535,000 over 3 years.*

Project Title	Principal Investigator	Institution	Funding	Funder
Analysis of developmental interactions between reelin haploinsufficiency, male sex, and mercury exposure	Keller, Flavio	Universita Campus Bio-Medico di Roma	$0.00	Autism Speaks
Epigenetics, hormones and sex differences in autism incidence	Rissman, Emile	University of Virginia	$85,000.00	Autism Speaks
Sex chromosomes, epigenetics, and neurobehavioral disease	Rissman, Emilie	University of Virginia	$378,841.00	National Institutes of Health

3.L.A

Conduct a multi-site study of the subsequent pregnancies of 1,000 women with a child with ASD to assess the impact of environmental factors in a period most relevant to the progression of ASD by 2014. *IACC Recommended Budget: $11,100,000 over 5 years.*

Project Title	Principal Investigator	Institution	Funding	Funder
ACE Network: Early Autism Risk Longitudinal Investigation (EARLI) network	Newschaffer, Craig	Drexel University	$2,864,377.00	National Institutes of Health

3.L.B

Identify genetic risk factors in at least 50% of people with ASD by 2014. *IACC Recommended Budget: $33,900,000 over 6 years.*

Project Title	Principal Investigator	Institution	Funding	Funder
Integrative genetic analysis of autistic brains	Arking, Dan	Johns Hopkins University School of Medicine	$400,000.00	Simons Foundation
Genetic epidemiology of complex traits	Bailey-Wilson, Joan	National Institutes of Health	$880,653.00	National Institutes of Health
A genome-wide search for autism genes in the SSC Baylor	Beaudet, Arthur	Baylor College of Medicine	$0	Simons Foundation
Simons Simplex Collection Site	Bernier, Raphael	University of Washington	$186,539.00	Simons Foundation

Next generation gene discovery in familial autism	Brkanac, Zoran	University of Washington	$699,721.00	National Institutes of Health
The role of contactin-associated protein-like 2 (CNTNAP2) and other novel genes in autism	Chakravarti, Aravinda	Johns Hopkins University School of Medicine	$116,150.00	Simons Foundation
Simons Simplex Collection Site	Cook, Edwin	University of Illinois at Chicago	$114,869.00	Simons Foundation
A genome-wide search for autism genes in the SSC UIC	Cook, Edwin	University of Illinois at Chicago	$0.00	Simons Foundation
Autism Genome Project (AGP) Core Consortium	Devlin, Bernie	University of Pittsburgh	$50,985.00	Autism Speaks
A genome-wide search for autism genes in the SSC Pittsburgh	Devlin, Bernie	University of Pittsburgh	$0.00	Simons Foundation
Genomic hotspots of autism	Eichler, Evan	University of Washington	$616,368.00	Simons Foundation
Simons Simplex Collection Site	Fombonne, Eric	The Research Institute of the McGill University Health Centre	$132,257.00	Simons Foundation
ACE Network: A comprehensive approach to identification of autism susceptibility genes	Geschwind, Daniel	University of California, Los Angeles	$2,759,732.00	National Institutes of Health
Simons Simplex Collection Site	Geschwind, Daniel	University of California, Los Angeles	$277,643.00	Simons Foundation
A genome-wide search for autism genes in the SSC UCLA	Geschwind, Daniel	University of California, Los Angeles	$0.00	Simons Foundation
Whole-exome sequencing to identify causative genes for autism	Gleeson, Joseph	University of California, San Diego	$350,000.00	Simons Foundation
The role of the neurexin 1 gene in susceptibility to autism	Gusella, James	Massachusetts General Hospital/Harvard Medical School	$0	Autism Speaks

A recurrent genetic cause of autism	Gusella, James	Massachusetts General Hospital	$200,000.00	Simons Foundation
Simons Simplex Collection Site	Kochel, Robin	Baylor College of Medicine	$165,584.00	Simons Foundation
Simons Simplex Collection	Kochel, Robin	Baylor College of Medicine	$144,848.00	National Institutes of Health
RNA expression patterns in autism	Kunkel, Louis	Children's Hospital Boston	$705,545.00	National Institutes of Health
Simons Simplex Collection Site	Lese Martin, Christa	Emory University	$256,849.00	Simons Foundation
A genome-wide search for autism genes in the SSC Emory	Lese Martin, Christa	Emory University	$0.00	Simons Foundation
Simons Simplex Collection Site	Lord, Catherine	University of Michigan	$402,144.00	Simons Foundation
Simons Foundation Simplex Project Collection Site	Lord, Catherine	Weill Cornell Medical College	$159,775.00	Simons Foundation
Relevance of NPAS1/3 balance to autism and schizophrenia	McKnight, Steven	University of Texas Southwestern Medical Center	$0.00	Simons Foundation
Simons Simplex Collection Site	Miles, Judith	University of Missouri	$311,075.00	Simons Foundation
Linking autism and congenital cerebellar malformations	Millen, Kathleen	University of Chicago	$60,000.00	Autism Speaks
Genetic investigation of cognitive development in autistic spectrum disorders	Morrow, Eric	Brown University	$184,248.00	National Institutes of Health
A genome-wide search for autism genes in the SSC Brown	Morrow, Eric	Brown University	$0.00	Simons Foundation

Illumina, Inc.	No PI listed	Illumina, Inc.	$1,471,725.00	Simons Foundation
The frequency of polymorphisms in maternal- and paternal-effect genes in autism spectrum	Notterman, Daniel	The Pennsylvania State University	$75,000.00	Simons Foundation
Simons Simplex Collection Site	Pelphrey, Kevin	Yale University	$130,000.00	Simons Foundation
Molecular and genetic epidemiology of autism	Pericak-Vance, Margaret	University of Miami Miller School of Medicine	$1,125,352.00	National Institutes of Health
Simons Simplex Collection Site	Peterson, Bradley	Columbia University	$260,000.00	Simons Foundation
Hypocholesterolemic autism spectrum disorder	Porter, Forbes	National Institutes of Health	$92,155.00	National Institutes of Health
The transcription factor PLZF: A possible genetic link between immune dysfunction and autism	Sant'Angelo, Derek	Memorial Sloan-Kettering Cancer Center	$0.00	Department of Defense
Autism Genome Project (AGP): Genome sequencing and analysis supplement	Scherer, Stephen	The Hospital for Sick Children	$0.00	Autism Speaks
Investigation of DUF1220 domains in human brain function and disease	Sikela, James	University of Colorado Denver	$471,018.00	National Institutes of Health
Autism Genome Project (AGP)	Staff Member	Autism Speaks (AS)	$0.00	Autism Speaks
ACE Center: Rare variant genetics, contactin-related proteins and autism	State, Matthew	Yale University	$326,348.00	National Institutes of Health
A genome-wide search for autism genes in the Simons Simplex Collection	State, Matthew	Yale University	$1,383,893.00	Simons Foundation
Whole Exome Sequencing of Simons Simplex Trios	State, Matthew	Yale University	$5,656,277.00	Simons Foundation

Simons Simplex Collection Site	Sutcliffe, James	Vanderbilt University	$516,490.00	Simons Foundation
A genome-wide search for autism genes in the SSC Vanderbilt	Sutcliffe, James	Vanderbilt University Medical Center	$0.00	National Institutes of Health
Potential role of non-coding RNAs in autism	Talebizadeh, Zohreh	Children's Mercy Hospitals And Clinics	$0.00	Autism Speaks
Rapid characterization of balanced genomic rearrangements contributing to autism	Talkowski, Michael	Massachusetts General Hospital	$53,459.00	National Institutes of Health
Autism Genome Project (AGP) Core Consortium	Vieland, Veronica	Nationwide Children's Hospital	$278,113.00	Autism Speaks
Mitochondria and the etiology of autism	Wallace, Douglas	Children's Hospital of Philadelphia	$87,500.00	Simons Foundation
Simons Simplex Collection Site	Walsh, Christopher	Children's Hospital Boston	$124,993.00	Simons Foundation
Recessive genes for autism and mental retardation	Walsh, Christopher	Beth Israel Deaconess Medical Center	$0.00	Simons Foundation
Finding recessive genes for autism spectrum disorders	Walsh, Christopher	Children's Hospital Boston	$361,824.00	Simons Foundation
A genome-wide search for autism genes in the SSC CHB	Walsh, Christopher	Children's Hospital Boston	$0.00	Simons Foundation
Comprehensive genetic variation detection to assess the role of the X chromosome in autism	Warren, Stephen	Emory University	$0.00	Simons Foundation
Dissecting expression regulation of an autism GWAS hit	Weiss, Lauren A.	University of California, San Francisco	$15,000.00	Brain & Behavior Research Foundation
Genetic basis of autism	Wigler, Michael	Cold Spring Harbor Laboratory	$3,332,095.00	Simons Foundation

Population genetics to improve homozygosity mapping and mapping in admixed groups	Williams, Amy	Harvard Medical School	$48,398.00	National Institutes of Health
ACE Center: Targeting genetic pathways for brain overgrowth in autism spectrum disorders	Wynshaw-Boris, Anthony	University of California, San Diego	$398,723.00	National Institutes of Health
Analysis of candidate genes derived from a protein interaction network in SSC samples	Zoghbi, Huda	Baylor College of Medicine	$0.00	Simons Foundation

3.L.C

Determine the effect of at least five environmental factors on the risk for subtypes of ASD in the pre- and early postnatal period of development by 2015. *IACC Recommended Budget: $25,100,000 over 7 years.*

Project Title	Principal Investigator	Institution	Funding	Funder
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	Ascherio, Alberto	Harvard University	$0.00	Department of Defense
Novel animal models of impaired social behavior and anxiety: A role for MeCP2	Reyes, Teresa	University of Pennsylvania	$198,000.00	National Institutes of Health
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	Santangelo, Susan	Massachusetts General Hospital	$0.00	Department of Defense
IL-6-mediated Jak2/Stat3 signaling and brain development	Tan, Jun	University of South Florida	$181,913.00	National Institutes of Health
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	Weisskopf, Marc	Harvard University	$0.00	Department of Defense

3.L.D

Support ancillary studies within one or more large-scale, population-based surveillance and epidemiological studies, including U.S. populations, to collect data on environmental factors during preconception, and during prenatal and early postnatal development, as well as genetic data, that could be pooled (as needed), to analyze targets for potential gene/environment interactions by 2015. *IACC Recommended Budget: $44,400,000 over 5 years.*

Project Title	Principal Investigator	Institution	Funding	Funder
Social determinants of the autism epidemic	Bearman, Peter	Columbia University	$796,950.00	National Institutes of Health
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - California	Croen, Lisa	Kaiser Foundation Research Institute	$900,000.00	Centers for Disease Control and Prevention
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - North Carolina	Daniels, Julie	University of North Carolina at Chapel Hill	$900,000.00	Centers for Disease Control and Prevention

Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - Maryland	Fallin, Margaret Danielle	Johns Hopkins University	$1,650,000.00	Centers for Disease Control and Prevention
Gene-environment interactions in an autism birth cohort (supplement)	Lipkin, W. Ian	Columbia University	$3,183,066.00	National Institutes of Health
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - Colorado	Miller, Lisa	Colorado Department of Health and Environment	$900,000.00	Centers for Disease Control and Prevention
UC Davis Center for Children's Environmental Health (CCEH) (supplement)	Pessah, Isaac	University of California, Davis	$130,000	National Institutes of Health
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - Pennsylvania	Pinto-Martin, Jennifer	University of Pennsylvania/Childre n's Hospital of Philadelphia	$900,000.00	Centers for Disease Control and Prevention
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - Data Coordinating Center	Reed, Phillip	Michigan State University	$900,000.00	Centers for Disease Control and Prevention
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - Georgia	Schendel, Diana; Schieve, Laura; Wiggins, Lisa	Centers for Disease Control and Prevention (CDC)	$1,307,234.00	Centers for Disease Control and Prevention

3. Other

Not specific to any objective

Project Title	Principal Investigator	Institution	Funding	Funder
ACE Center: Imaging autism biomarkers + risk genes	Glatt, Stephen	University of California, San Diego	$263,940.00	National Institutes of Health
Genetic epidemiology of autism spectrum disorders	Kim, Young Shin	Yale University	$178,312.00	National Institutes of Health
FOXP2-regulated signaling pathways critical for higher cognitive functions	Konopka, Genevieve	University of Texas Southwestern Medical Center	$248,865.00	National Institutes of Health
A history of behavioral genetics	Schaffner, Kenneth	University of Pittsburgh	$19,900.00	National Science Foundation

Next generation approaches to non-human primate bioinformatics	Vallender, Eric	Harvard Medical School	$13,753.00	National Institutes of Health