

# 2011 Portfolio Analysis Projects

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

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## QUESTION 4: WHICH TREATMENTS AND INTERVENTIONS WILL HELP?

### 4.S.A

Support at least three randomized controlled trials that address co-occurring medical conditions associated with ASD by 2010. *IACC Recommended Budget: \$13,400,000 over 3 years.*

Project Title	Principal Investigator	Institution	Funding	Funder
<a href="#">Treatment of sleep problems in children with autism spectrum disorder with melatonin: A double-blind, placebo-controlled study</a>	Hopkins, Bobbi	Baylor College of Medicine	\$0	Autism Speaks
<a href="#">Autism Intervention Research Network on Physical Health (AIR-P network)</a>	Perrin, James	Massachusetts General Hospital	\$1,797,880	Health Resources and Services Administration
<a href="#">To study why increased copper in individuals with autism normalizes post zinc therapy in individuals with concurrent GI disease</a>	Russo, A.J.	Health Research Institute/Pfeiffer Treatment Center	\$12,435	Autism Research Institute

### 4.S.B

Standardize and validate at least 20 model systems (e.g., cellular and/or animal) that replicate features of ASD and will allow identification of specific molecular targets or neural circuits amenable to existing or new interventions by 2012. *IACC Recommended Budget: \$75,000,000 over 5 years.*

Project Title	Principal Investigator	Institution	Funding	Funder
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<a href="#">The role of SHANK3 in the etiology of autism spectrum disorder</a>	Bangash, M. Ali	Johns Hopkins University	\$0	Autism Speaks
<a href="#">Long-term effects of early-life antipsychotic drug treatment</a>	Bardgett, Mark	Northern Kentucky University	\$406,200	National Institutes of Health
<a href="#">Neurobiology of mouse models for human chr 16p11.2 microdeletion and fragile X</a>	Bear, Mark	Massachusetts Institute of Technology	\$249,480	National Institutes of Health
<a href="#">Development of a high-content neuronal assay to screen therapeutics for the treatment of cognitive dysfunction in autism spectrum disorders</a>	Bear, Mark	Massachusetts Institute of Technology	\$0.00	Department of Defense
<a href="#">Role of cadherin-8 in the assembly of prefrontal cortical circuits</a>	Benson, Deanna	Mount Sinai School of Medicine	\$31,188	Simons Foundation
<a href="#">The genetic control of social behavior in the mouse</a>	Blanchard, Robert	University of Hawai'i at Manoa	\$342,540	National Institutes of Health
<a href="#">Neurobiology of sociability in a mouse model system relevant to autism</a>	Brodkin, Edward	University of Pennsylvania	\$350,831	National Institutes of Health
<a href="#">Identifying genetic modifiers of rett syndrome in the mouse</a>	Buchovecky, Christine	Baylor College of Medicine	\$0	Autism Science Foundation
<a href="#">Identifying therapeutic targets for autism using SHANK3-deficient mice</a>	Buxbaum, Joseph	Mount Sinai School of Medicine	\$483,773	National Institutes of Health

<a href="#">The role of SHANK3 in autism spectrum disorders</a>	Buxbaum, Joseph	Mount Sinai School of Medicine	\$180,000	Simons Foundation
<a href="#">Animal models of neuropsychiatric disorders</a>	Crawley, Jacqueline	National Institutes of Health	\$1,776,673	National Institutes of Health
<a href="#">Investigation of the role of MET kinase in autism</a>	Dawson, Ted	Johns Hopkins University School of Medicine	\$0	Simons Foundation
<a href="#">Using induced pluripotent stem cells to identify cellular phenotypes of autism</a>	Dolmetsch, Ricardo	Stanford University	\$792,000	National Institutes of Health
<a href="#">Using iPS cells to study genetically defined forms with autism</a>	Dolmetsch, Ricardo	Stanford University	\$100,000	Simons Foundation
<a href="#">16p11.2 deletion mice: Autism-relevant phenotypes and treatment discovery</a>	Dolmetsch, Ricardo	Stanford University	\$0	Simons Foundation
<a href="#">Serotonin, autism, and investigating cell types for CNS disorders</a>	Dougherty, Joseph	Washington University in St. Louis	\$249,000	National Institutes of Health
<a href="#">Role of UBE3A in neocortical plasticity and function</a>	Ehlers, Michael	Duke University	\$367,500	Simons Foundation
<a href="#">Patient iPS cells with copy number variations to model neuropsychiatric disorders</a>	Ellis, James	The Hospital for Sick Children	\$348,624	National Institutes of Health
<a href="#">Dissecting the circuitry basis of autistic-like behaviors in mice</a>	Feng, Guoping	Massachusetts Institute of Technology	\$350,000	Simons Foundation

<a href="#">Synaptic and circuitry mechanisms of repetitive behaviors in autism</a>	Feng, Guoping	Massachusetts Institute of Technology	\$200,000	Simons Foundation
<a href="#">Functional genomic dissection of language-related disorders</a>	Fisher, Simon	University of Oxford	\$320,076	Simons Foundation
<a href="#">Validating electrophysiological endophenotypes as translational biomarkers of autism</a>	Gandal, Michael	University of Pennsylvania	\$28,049	National Institutes of Health
<a href="#">Identification of autism genes that regulate synaptic Nrx/Nlg signaling complexes</a>	Garner, Craig	Stanford University	\$231,066	National Institutes of Health
<a href="#">Genomic imbalances at the 22q11 locus and predisposition to autism</a>	Gogos, Joseph	Columbia University	\$200,000	Simons Foundation
<a href="#">OCT blockade to restore sociability in 5-HT transporter knock-out mice</a>	Gould, Georgianna	University of Texas Health Science Center at San Antonio	\$74,250	National Institutes of Health
<a href="#">Novel therapeutic targets to treat social behavior deficits in autism and related disorders</a>	Gould, Georgianna	University of Texas Health Science Center at San Antonio	\$560,625	Department of Defense - Autism Research Program
<a href="#">Exploring the neuronal phenotype of autism spectrum disorders using induced pluripotent stem cells</a>	Hallmayer, Joachim; Dolmetsch, Ricardo	Stanford University	\$368,475	National Institutes of Health

<a href="#">The role of glutamate receptor interacting proteins in autism</a>	Huganir, Richard	Johns Hopkins University School of Medicine	\$62,500	Simons Foundation
<a href="#">Cellular and molecular pathways of cortical afferentation in autism spectrum disorders</a>	Jabaudon, Denis	University of Geneva	\$15,000	Brain & Behavior Research Foundation
<a href="#">Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes</a>	Jarstfer, Michael	University of North Carolina at Chapel Hill	\$0	Department of Defense
<a href="#">Functional study of synaptic scaffold protein SHANK3 and autism mouse model</a>	Jiang, Yong-Hui	Duke University	\$150,000.00	Autism Speaks
<a href="#">Examination of the mGluR-mTOR pathway for the identification of potential therapeutic targets to treat fragile X</a>	Jongens, Thomas	University of Pennsylvania	\$542,684	Department of Defense - Autism Research Program
<a href="#">Investigating the effects of chromosome 22q11.2 deletions</a>	Karayiorgou, Maria	Columbia University	\$300,000	Simons Foundation
<a href="#">Control of synaptic protein synthesis in the pathogenesis and therapy of autism</a>	Kelleher, Raymond	Massachusetts General Hospital	\$301,087	Simons Foundation
<a href="#">Animal model of speech sound processing in autism</a>	Kilgard, Michael	University of Texas at Dallas	\$283,249	National Institutes of Health
<a href="#">Impact of an autism associated mutation in DACT1 on brain development and behavior</a>	Kivimae, Saul	University of California, San Francisco	\$0	Brain & Behavior Research Foundation

<a href="#">Developing a new model system to study mechanisms of attention control</a>	Knudsen, Eric	Stanford University	\$60,000	Simons Foundation
<a href="#">Shank3 mutant characterization in vivo</a>	Kouser, Mehreen	University of Texas Southwestern Medical Center	\$28,000.00	Autism Speaks
<a href="#">Behavioral and physiological consequences of disrupted Met signaling</a>	Levitt, Pat	University of Southern California	\$800,000.00	Simons Foundation
<a href="#">Role of RAS/RAF/ERK pathway in pathogenesis and treatment of autism</a>	Li, Xiaohong	New York State Institute for Basic Research in Developmental Disabilities	\$51,640	Simons Foundation
<a href="#">Serotonin, corpus callosum, and autism</a>	Lin, Rick	University of Mississippi Medical Center	\$300,218	National Institutes of Health
<a href="#">Interaction between MEF2 and MECP2 in the pathogenesis of autism spectrum disorders - 1</a>	Lipton, Stuart	Burnham Institute	\$0.00	Department of Defense
<a href="#">Using Drosophila to model the synaptic function of the autism-linked NHE9</a>	Littleton, J. Troy	Massachusetts Institute of Technology	\$75,000	Simons Foundation
<a href="#">Insight into MeCP2 function raises therapeutic possibilities for Rett syndrome</a>	Lomvardas, Stavros	University of California, San Francisco	\$291,260	National Institutes of Health

<a href="#">Autism iPSCs for studying function and dysfunction in human neural development</a>	Loring, Jeanne	The Scripps Research Institute	\$481,461	National Institutes of Health
<a href="#">Neuropharmacology of motivation and reinforcement in mouse models of autistic spectrum disorders</a>	Malanga, C.J.	University of North Carolina School of Medicine	\$228,965	Autism Speaks
<a href="#">Synaptic deficits of iPS cell-derived neurons from patients with autism</a>	Mao, Rong	Stanford University	\$86,446	National Institutes of Health
<a href="#">A probiotic therapy for autism</a>	Mazmanian, Sarkis	California Institute of Technology	\$62,500	Simons Foundation
<a href="#">Modeling and pharmacologic treatment of autism spectrum disorders in Drosophila</a>	McDonald, Thomas	Albert Einstein College of Medicine of Yeshiva University	\$0	Autism Speaks
<a href="#">Perinatal choline supplementation as a treatment for autism</a>	Mellott, Tiffany	Boston University	\$62,500	Simons Foundation
<a href="#">16p11.2: defining the gene(s) responsible</a>	Mills, Alea	Cold Spring Harbor Laboratory	\$350,000	Simons Foundation
<a href="#">Deficits in tonic inhibition and the pathology of autism spectrum disorders</a>	Moss, Stephen	Tufts University	\$31,250	Simons Foundation
<a href="#">Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes</a>	Moy, Sheryl	University of North Carolina at Chapel Hill	\$0	Department of Defense
<a href="#">Interaction between MEF2 and MECP2 in the pathogenesis of autism spectrum disorders -2</a>	Nakanishi, Nobuki	Burnham Institute	\$0.00	Department of Defense



<a href="#">A mouse model for human chromosome 7q11.23 duplication syndrome</a>	Osborne, Lucy	University of Toronto	\$49,452	Simons Foundation
<a href="#">Systematic analysis of neural circuitry in mouse models of autism</a>	Osten, Pavel	Cold Spring Harbor Laboratory	\$74,991	Simons Foundation
<a href="#">Vicarious neural activity, genetic differences and social fear learning</a>	Panksepp, Jules	Oregon Health & Science University	\$51,326	National Institutes of Health
<a href="#">Novel probiotic therapies for autism</a>	Patterson, Paul	California Institute of Technology	\$0	Department of Defense
<a href="#">Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes</a>	Pedersen, Cort	University of North Carolina at Chapel Hill	\$0	Department of Defense
<a href="#">Small-molecule compounds for treating autism spectrum disorders</a>	Philpot, Ben	The University of North Carolina at Chapel Hill	\$350,000	Simons Foundation
<a href="#">Role of UBE3A in neocortical plasticity and function</a>	Philpot, Ben	University of North Carolina at Chapel Hill	\$0	Simons Foundation
<a href="#">Novel genetic animal models of autism</a>	Powell, Craig	University of Texas Southwestern Medical Center	\$336,813	National Institutes of Health
<a href="#">Neuregulin function in vivo: Implications for autism and mental retardation</a>	Powell, Craig	University of Texas Southwestern Medical Center	\$388,575	National Institutes of Health

<a href="#">Animal models of autism: Pathogenesis and treatment</a>	Powell, Craig	University of Texas Southwestern Medical Center	\$0	Autism Speaks
<a href="#">Mechanisms of stress-enhanced aversive conditioning</a>	Radulovic, Jelena	Northwestern University	\$381,250	National Institutes of Health
<a href="#">Genetic models of serotonin transporter regulation linked to mental disorders</a>	Ramamoorthy, Sammanda	Medical University of South Carolina	\$219,038	National Institutes of Health
<a href="#">Role of a novel Wnt pathway in autism spectrum disorders</a>	Reichardt, Louis	University of California, San Francisco	\$600,000	Simons Foundation
<a href="#">Studies of pediatrics patients with genetic and metabolic disorders</a>	Rennert, Owen	National Institutes of Health	\$1,546,115	National Institutes of Health
<a href="#">A novel cell-based assay for autism research and drug discovery</a>	Restifo, Linda	University of Arizona	\$0	Autism Speaks
<a href="#">Adverse prenatal environment and altered social and anxiety-related behaviors</a>	Reyes, Teresa	University of Pennsylvania	\$0	Brain & Behavior Research Foundation
<a href="#">Novel strategies to manipulate Ube3a expression for the treatment of autism and Angelman syndrome</a>	Roth, Bryan	University of North Carolina at Chapel Hill	\$0.00	Department of Defense
<a href="#">The genetic and neuroanatomical origin of social behavior</a>	Samaco, Rodney	Baylor College of Medicine	\$391,250	National Institutes of Health

<a href="#">Dissecting the neural control of social attachment</a>	Shah, Nirao	University of California, San Francisco	\$764,776	National Institutes of Health
<a href="#">Mice lacking Shank postsynaptic scaffolds as an animal model of autism</a>	Sheng, Morgan	Massachusetts Institute of Technology	\$0	Simons Foundation
<a href="#">Using zebrafish and chemical screening to define function of autism genes</a>	Sive, Hazel	Whitehead Institute for Biomedical Research	\$199,999	Simons Foundation
<a href="#">Characterization of autism susceptibility genes on chromosome 15q11-13</a>	Smith, Stephen	Beth Israel Deaconess Medical Center	\$51,326	National Institutes of Health
<a href="#">Effect of abnormal calcium influx on social behavior in autism</a>	Sohal, Vikaas	University of California, San Francisco	\$31,250	Simons Foundation
<a href="#">Studying the neural development of patient-derived stem cells</a>	Song, Hongjun	Johns Hopkins University School of Medicine	\$31,250	Simons Foundation
<a href="#">Identifying impairments in synaptic connectivity in mouse models of ASD</a>	Speed, Haley	University of Texas Southwestern Medical Center	\$0	Autism Science Foundation
<a href="#">Neural and cognitive mechanisms of autism</a>	Sur, Mriganka	Massachusetts Institute of Technology	\$0	Simons Foundation
<a href="#">Integrated approach to the neurobiology of autism spectrum disorders</a>	Vaccarino, Flora	Yale University	\$116,672	Simons Foundation

<a href="#">Cellular and genetic correlates of increased head size in autism spectrum disorder</a>	Vaccarino, Flora	Yale University	\$405,041	National Institutes of Health
<a href="#">Murine genetic models of autism</a>	Veenstra-Vanderweele, Jeremy	Vanderbilt University	\$142,791	National Institutes of Health
<a href="#">Neurobiological signatures of social dysfunction and repetitive behavior</a>	Veenstra-Vanderweele, Jeremy	Vanderbilt University	\$ 389,854	Autism Speaks
<a href="#">Vasopressin receptors and social attachment</a>	Young, Larry	Emory University	\$121,500.00	National Institutes of Health
<a href="#">Central vasopressin receptors and affiliation</a>	Young, Larry	Emory University	\$25,000	National Institutes of Health
<a href="#">Central vasopressin receptors and affiliation</a>	Young, Larry	Emory University	\$360,225	National Institutes of Health
<a href="#">Novel approaches to enhance social cognition by stimulating central oxytocin release</a>	Young, Larry	Emory University	\$0.00	Autism Speaks
<a href="#">Regulation of gene expression in the brain</a>	Young, Walter	National Institutes of Health	\$2,003,514	National Institutes of Health
<b><u>4.S.C</u></b>				
Test safety and efficacy of at least five widely used interventions (e.g., nutrition, medications, assisted technologies, sensory integration, medical procedures) that have not been rigorously studied for use in ASD by 2012. <i>IACC Recommended Budget: \$27,800,000 over 5 years.</i>				
Project Title	Principal Investigator	Institution	Funding	Funder

<a href="#">Intranasal oxytocin for the treatment of children and adolescents with autism spectrum disorders (ASD)</a>	Anagnostou, Evdokia	Holland Bloorview Kids Rehabilitation Hospital	\$0.00	Department of Defense
<a href="#">Writing instruction for children with autism spectrum disorders: A study of self-regulation and strategy use</a>	Asaro-Saddler, Kristie	University at Albany, State University of New York	\$9,723	Organization for Autism Research
<a href="#">Folate rechallenge: A pilot study</a>	Beaudet, Arthur	Baylor College of Medicine	\$6,332	National Institutes of Health
<a href="#">Safety and efficacy of complementary and alternative medicine for autism spectrum disorders</a>	Bent, Stephen	University of California, San Francisco	\$0.00	Autism Speaks
<a href="#">Internet-based trial of omega-3 fatty acids for autism spectrum disorder</a>	Bent, Stephen	University of California, San Francisco	\$62,500	Simons Foundation
<a href="#">Investigating the efficacy of the Hane Face Window©</a>	Bentley, Chris	Fraser Center	\$2,000	Autism Research Institute
<a href="#">Medical etiologies of neurodevelopmental disorders: Cerebral folate deficiency</a>	Frye, Richard	Children's Learning Institute at the University of Texas Health Science Center at Houston	\$6,900	Autism Research Institute
<a href="#">A randomized, controlled trial of intranasal oxytocin as an adjunct to behavioral therapy for autism spectrum disorder</a>	Gabrieli, John	Massachusetts General Hospital	\$1,159,063	Department of Defense - Autism Research Program

<a href="#">Effects of therapeutic horseback riding on children and adolescents with autism spectrum disorders</a>	Gabriels, Robin	University of Colorado Denver	\$313,179	National Institutes of Health
<a href="#">Double-blind placebo controlled trial of subcutaneous methyl B12 on behavioral and metabolic measures in children with autism</a>	Hendren, Robert	University of California, Davis	\$103,536	Autism Speaks
<a href="#">Training outpatient clinicians to deliver cognitive behavior therapy to children</a>	Reaven, Judy	University of Colorado Denver	\$255,550	National Institutes of Health
<a href="#">To study the relationship between myeloperoxidase (MPO) deficiency and probiotic therapy in autistic children</a>	Russo, A.J.	Hartwick College	\$11,890	Autism Research Institute
<a href="#">Effectiveness of sensory based strategies for improving adaptive behaviors in children with autism</a>	Schaaf, Roseann	Thomas Jefferson University	\$0	Autism Speaks
<a href="#">Behavioral and psycho-physiological study of attentional, perceptual, and emotional processing after treatment with ambient prism lenses and visuo-motor exercises in children with autism spectrum disorder</a>	Sokhadze, Estate	University of Louisville	\$22,000	Autism Research Institute
<a href="#">Multisensory integration and temporal processing in autism</a>	Stevenson, Ryan	Vanderbilt University	\$48,398	National Institutes of Health
<a href="#">Double masked placebo controlled trial of cholesterol in hypocholesterolemic ASD</a>	Tierney, Elaine	Kennedy Krieger Institute	\$253,653	Autism Speaks
<a href="#">Acupressure and acupuncture as an intervention with children with autism</a>	Warren, Lana	Kennedy Krieger Institute	\$0.00	Autism Speaks

<a href="#">The effects of a reciprocal questioning intervention on the reading comprehension and social communication of students with autism spectrum disorder</a>	Whalon, Kelly	The College of William and Mary	\$0	Organization for Autism Research
<b><u>4.S.D</u></b>				
Complete two multi-site randomized controlled trials of comprehensive early intervention that address core symptoms, family functioning and community involvement by 2013. <i>IACC Recommended Budget: \$16,700,000 over 5 years.</i>				
Project Title	Principal Investigator	Institution	Funding	Funder
<a href="#">Advancing Social-Communication and Play (ASAP): An intervention program for preschoolers with autism</a>	Boyd, Brian; Watson, Linda	University of North Carolina at Chapel Hill	\$768,670	Department of Education
<a href="#">Strengthening the effects of parent-implemented early intervention to improve symptoms of ASD</a>	Estes, Annette	University of Washington	\$0	Autism Speaks
<a href="#">Comparison of high to low intensity behavioral intervention</a>	Granpeesheh, Doreen	Center for Autism and Related Disorders (CARD)	\$121,029.00	Center for Autism and Related Disorders
<a href="#">5/5-Randomized trial of parent training for young children with autism</a>	Johnson, Cynthia	University of Pittsburgh	\$236,226	National Institutes of Health
<a href="#">Autism Intervention Research Network on Behavioral Health (AIR-B network)</a>	Kasari, Connie	University of California, Los Angeles	\$1,930,288	Health Resources and Services Administration
<a href="#">2/5-Randomized trial of parent training for young children with autism</a>	Lecavalier, Luc	The Ohio State University	\$214,210	National Institutes of Health

<a href="#">2/2-Effects of parent-implemented intervention for toddlers with autism spectrum disorder</a>	Lord, Catherine	University of Michigan	\$39,418	National Institutes of Health
<a href="#">2/2-Effects of parent-implemented intervention for toddlers with autism spectrum</a>	Lord, Catherine	Weill Cornell Medical College	\$866,055	National Institutes of Health
<a href="#">Efficacy and sustainability of the STAR program</a>	Mandell, David	University of Pennsylvania	\$383,488	Department of Education
<a href="#">Evaluation of a comprehensive community-based intervention for toddlers with ASD</a>	McBride, Bonnie; Schwartz, Ilene	University of Oklahoma Health Sciences Center; University of Washington	\$701,785	Department of Education
<a href="#">ACE Network: A multi-site randomized study of intensive treatment for toddlers with autism</a>	Rogers, Sally	University of California, Davis	\$2,819,081	National Institutes of Health
<a href="#">Strengthening the effects of parent-implemented early intervention to improve symptoms of ASD</a>	Rogers, Sally	University of California, Davis	\$0.00	Autism Speaks
<a href="#">1/5-Randomized trial of parent training for young children with autism</a>	Scahill, Lawrence	Yale University	\$438,608	National Institutes of Health
<a href="#">3/5-Randomized trial of parent training for young children with autism</a>	Smith, Tristram	University of Rochester	\$239,726	National Institutes of Health
<a href="#">Leap - USA (Using Science-Based Approaches)</a>	Strain, Philip	University of Colorado Denver	\$0.00	Department of Education



<a href="#">LEAP–USA follow-up project</a>	Strain, Phillip	University of Colorado Denver	\$398,834	Department of Education
<a href="#">4/5-Randomized trial of parent training for young children with autism</a>	Swiezy, Naomi	Indiana University-Purdue University Indianapolis	\$240,121	National Institutes of Health
<a href="#">1/2-Effects of parent-implemented intervention for toddlers with autism spectrum disorder</a>	Wetherby, Amy	Florida State University	\$509,643	National Institutes of Health
<a href="#">A randomized trial of the SCERTS curriculum for students with autism spectrum disorders in early elementary school classrooms</a>	Wetherby, Amy; Morgan, Lindee	Florida State University	\$749,772	Department of Education
<a href="#">Comprehensive autism program using Strategies for Teaching based on Autism Research</a>	Young, Helen; Falco, Ruth	Portland State University	\$499,783	Department of Education
<b><u>4.S.F</u></b>				
<p>Launch five randomized controlled trials of interventions including biological signatures and other measures to predict response, and monitor quality of life and functional outcomes, in each of the following groups:</p> <ul style="list-style-type: none"> <li>• Five trials in infants and toddlers by 2013. <i>IACC Recommended Budget: \$30,000,000 over 5 years.</i></li> <li>• Three randomized controlled trials of interventions for school-aged children and/or adolescents by 2013. <i>IACC Recommended Budget: \$18,000,000 over 5 years.</i></li> <li>• Three trials for adults by 2014. <i>IACC Recommended Budget: \$18,000,000 over 5 years.</i></li> </ul>				
Project Title	Principal Investigator	Institution	Funding	Funder
<a href="#">2/3-Atomoxetine placebo and parent training in autism</a>	Aman, Michael	Ohio State University	\$356,865	National Institutes of Health

<a href="#">The mirror neuron system in children with autism</a>	Bernier, Raphael	University of Washington	\$29,539	Simons Foundation
<a href="#">Predictors of effects of propranolol on language &amp; connectivity in autism</a>	Beversdorf, David	University of Missouri	\$188,378	Health Resources and Services Administration
<a href="#">Prelinguistic symptoms of autism spectrum disorders in infancy</a>	Bradshaw, Jessica	University of California, Los Angeles	\$0	Autism Science Foundation
<a href="#">ACE Network: Early pharmacotherapy guided by biomarkers in autism</a>	Chugani, Diane	Wayne State University	\$1,498,245	National Institutes of Health
<a href="#">Biomarkers in Autism of Aripiprazole and Risperidone Treatment (BAART)</a>	Devane, C. Lindsay	Medical University of South Carolina	\$651,465	National Institutes of Health
<a href="#">ACE Center: Risk and protective factors in the development of associated symptoms in autism</a>	Estes, Annette	University of Washington	\$168,117	National Institutes of Health
<a href="#">HCC: Collaborative research: Social-emotional technologies for autism spectrum disorders</a>	Goodwin, Matthew	The Groden Center, Inc.	\$0	National Science Foundation
<a href="#">1/3-Atomoxetine placebo and parent training in autism</a>	Handen, Benjamin	University of Pittsburgh	\$269,971	National Institutes of Health
<a href="#">1/3-Multisite RCT of early intervention for spoken communication in autism</a>	Kasari, Connie	University of California, Los Angeles	\$541,313	National Institutes of Health
<a href="#">3/3-Multisite RCT of early intervention for spoken communication in autism (supplement)</a>	Landa, Rebecca	Kennedy Krieger Institute	\$323,097	National Institutes of Health

<a href="#">3/3-Multisite RCT of early Intervention for spoken communication in autism</a>	Landa, Rebecca	Kennedy Krieger Institute	\$516,493	National Institutes of Health
<a href="#">Effects of self-generated experiences on social cognitive development in young children with autism</a>	Landa, Rebecca	Kennedy Krieger Institute	\$0	Autism Speaks
<a href="#">A randomized clinical trial of cognitive enhancement therapy for adults with autism spectrum disorders</a>	Minshew, Nancy	University of Pittsburgh	\$0	Department of Defense
<a href="#">Evidence-based cognitive rehabilitation to improve functional outcomes for young adults with autism spectrum disorders</a>	Minshew, Nancy	University of Pittsburgh	\$100,000.00	Autism Speaks
<a href="#">HCC: Collaborative research: Social-emotional technologies for autism spectrum disorders</a>	Picard, Rosalind	Massachusetts Institute of Technology	\$0	National Science Foundation
<a href="#">Improving synchronization and functional connectivity in autism spectrum disorders through plasticity-induced rehabilitation training</a>	Pineda, Jaime	University of California, San Diego	\$0.00	Department of Defense
<a href="#">The comparison of three behavioral therapy approaches for children with autism</a>	Quinn, Sheila	University of Rhode Island	\$49,369	National Institutes of Health
<a href="#">3/3-Atomoxetine placebo and parent training in autism</a>	Smith, Tristram	University of Rochester	\$274,428	National Institutes of Health

<a href="#">2/3-Multisite RCT of early intervention for spoken communication in autism</a>	Smith, Tristram	University of Rochester	\$392,336	National Institutes of Health
<a href="#">Randomized clinical trial of mind reading and in vivo rehearsal for children with HFASDs</a>	Thomeer, Marcus	Canisius College	\$10,000	Organization for Autism Research
<a href="#">Integrated play groups: Promoting social communication and symbolic play with peers across settings in children with autism</a>	Wolfberg, Pamela	San Francisco State University	\$0	Autism Speaks
<a href="#">Neurocognitive markers of response to treatment in autism</a>	Young, Gregory	University of California, Davis	\$75,983	National Institutes of Health
<b><u>4.S.G</u></b>				
Support at least five studies on interventions for nonverbal individuals with ASD by 2012. Such studies may include:				
<ul style="list-style-type: none"> <li>• Projects examining service-provision models that enhance access to augmentative and alternative communication (AAC) supports in both classroom and adult service-provision settings, such as residential service-provision and the impact of such access on quality of life, communication, and behavior;</li> <li>• Studies of novel treatment approaches that facilitate communication skills in individuals who are nonverbal, including the components of effective AAC approaches for specific subpopulations of people with ASD; and</li> <li>• Studies assessing access and use of AAC for children and adults with ASD who have limited or partially limited speech and the impact on functional outcomes and quality of life.</li> </ul>				
<i>IACC Recommended Budget: \$3,000,000 over 2 years.</i>				
Project Title	Principal Investigator	Institution	Funding	Funder
<a href="#">Communication success and AAC: A model of symbol acquisition</a>	Brady, Nancy	University of Kansas	\$332,388	National Institutes of Health
<a href="#">Transitions from augmentative or alternative communication (AAC) to speech: A pilot investigation</a>	Brady, Nancy	University of Kansas	\$60,000	Autism Speaks

<a href="#">Computerized system for phonemic awareness intervention</a>	Connors, Pamela	Biospeech, Inc.	\$216,403	National Institutes of Health
<a href="#">Making words meet: Using computerized feedback to facilitate word combinations in children with ASD</a>	DeThorne, Laura	University of Illinois at Urbana-Champaign	\$89,132	Autism Speaks
<a href="#">Contingency analyses of observing and attending in intellectual disabilities</a>	Dube, William	University of Massachusetts Medical School	\$276,291	National Institutes of Health
<a href="#">Visualizing voice</a>	Hailpern, Joshua	University of Illinois at Urbana-Champaign	\$28,000.00	Autism Speaks
<a href="#">Technology support for interactive and collaborative visual schedules</a>	Hayes, Gillian	University of California, Irvine	\$0.00	Autism Speaks
<a href="#">Developmental and augmented intervention for facilitating expressive language</a>	Kasari, Connie; Kaiser, Ann; Landa, Rebecca; Murphy, Susan	University of California, Los Angeles; Vanderbilt University; Kennedy Krieger Institute; University of Michigan	\$626,381	Autism Speaks
<a href="#">Optimizing initial communication for children with autism</a>	McIlvane, William	University of Massachusetts Medical School	\$356,014	National Institutes of Health
<a href="#">Customized representations promote language learning for older learners with ASD</a>	Mineo, Beth	University of Delaware	\$76,500	National Institutes of Health

<a href="#">Phase II. Digital Interactive Scene Program for Language in Autism (DISPL-A)</a>	Murphy, Terence	Monarch Teaching Technology, Inc.	\$484,483	National Institutes of Health
<a href="#">A novel parent directed intervention to enhance language development in nonverbal children with ASD</a>	Patterson, Stephanie	University of California, Los Angeles	\$28,000.00	Autism Speaks
<a href="#">Comparing AMMT vs. Control Therapy in facilitating speech output in nonverbal children with autism</a>	Schlaug, Gottfried	Beth Israel Deaconess Medical Center	\$60,000	Autism Speaks
<a href="#">Do animations facilitate symbol understanding in children with autism?</a>	Schlosser, Ralf	Northeastern University	\$197,259	Department of Education
<b><u>4.S.H</u></b>				
<p>Support at least two studies that focus on research on health promotion and prevention of secondary conditions in people with ASD by 2012. Secondary conditions of interest include weight issues and obesity, injury, and co-occurring psychiatric and medical conditions. <i>IACC Recommended Budget: \$5,000,000 over 3 years.</i></p>				
Project Title	Principal Investigator	Institution	Funding	Funder
<a href="#">Treatment of sleep disturbances in young children with autism</a>	Johnson, Cynthia	University of Pittsburgh	\$222,265	National Institutes of Health

### 4.L.A

Complete at least three randomized controlled trials on medications targeting core symptoms in people with ASD of all ages by 2014. *IACC Recommended Budget: \$22,200,000 over 5 years.*

Project Title	Principal Investigator	Institution	Funding	Funder
<a href="#">Testing the use of helminth worm ova in treating autism spectrum disorders</a>	Hollander, Eric	Montefiore Medical Center	\$0	Simons Foundation
<a href="#">Developing treatment, treatment validation, and treatment scope in the setting of an autism clinical trial</a>	Johnson, William	University of Medicine & Dentistry of New Jersey - Robert Wood Johnson Medical School	\$0.00	Department of Defense
<a href="#">ACE Center: Understanding repetitive behavior in autism</a>	McCracken, James	University of California, Los Angeles	\$257,803	National Institutes of Health
<a href="#">Developing treatment, treatment validation, and treatment scope in the setting of an autism clinical trial</a>	Novotny, Sherie	University of Medicine & Dentistry of New Jersey - Robert Wood Johnson Medical School	\$0.00	Department of Defense
<a href="#">ACE Center: The pharmacogenetics of treatment for insistence sameness in autism</a>	Owley, Thomas	University of Illinois at Chicago	\$378,379	National Institutes of Health
<a href="#">Association of cholinergic system dysfunction with autistic behavior in fragile X syndrome: Pharmacologic and imaging probes</a>	Reiss, Allan	Stanford University	\$91,292	Autism Speaks
<a href="#">Randomized phase 2 trial of RAD001 (an mTOR inhibitor) in patients with tuberous sclerosis complex</a>	Sahin, Mustafa	Childrens Hospital Boston	\$65,000.00	Autism Speaks
<a href="#">Clinical Trials Network</a>	Staff Member	Autism Speaks (AS)	\$0.00	Autism Speaks

<a href="#">Developing treatment, treatment validation, and treatment scope in the setting of an autism clinical trial</a>	Stein, Peter	University of Medicine & Dentistry of New Jersey	\$0.00	Department of Defense
<a href="#">Trial of a glutamate antagonist in the treatment of OCD and autistic disorders</a>	Swedo, Susan	National Institutes of Health	\$352,969	National Institutes of Health
<b><u>4.L.B</u></b>				
Develop interventions for siblings of people with ASD with the goal of reducing risk recurrence by at least 30% by 2014. <i>IACC Recommended Budget: \$6,700,000 over 5 years.</i>				
Project Title	Principal Investigator	Institution	Funding	Funder
<a href="#">Preventing autism via very early detection and intervention</a>	Tarbox, Jonathan	Center for Autism and Related Disorders (CARD)	\$14,256.00	Center for Autism and Related Disorders
<a href="#">Executive functioning, theory of mind, and neurodevelopmental outcomes</a>	Warren, Zachary	Vanderbilt University Medical Center	\$0	Simons Foundation
<b><u>4.L.C</u></b>				
Conduct at least one study to evaluate the safety and effectiveness of medications commonly used in the treatment of co-occurring conditions or specific behavioral issues in people with ASD by 2015. <i>IACC Recommended Budget: \$10,000,000 over 5 years.</i>				
Project Title	Principal Investigator	Institution	Funding	Funder
<a href="#">2/4-RUPP autism network: Guanfacine for the treatment of hyperactivity in PDD</a>	King, Bryan	Seattle Children's Hospital	\$311,729	National Institutes of Health
<a href="#">3/4-RUPP autism network: Guanfacine for the treatment of hyperactivity in PDD</a>	McCracken, James	University of California, Los Angeles	\$393,205	National Institutes of Health



<a href="#">1/4-RUPP autism network: Guanfacine for the treatment of hyperactivity in PDD</a>	McDougle, Christopher	Indiana University-Purdue University Indianapolis	\$337,175	National Institutes of Health
<a href="#">Mirtazapine treatment of anxiety in children and adolescents with pervasive developmental disorders</a>	McDougle, Christopher	Indiana University	\$99,993	Autism Speaks
<a href="#">Targeted pharmacologic interventions for autism</a>	McDougle, Christopher	Indiana University-Purdue University Indianapolis	\$363,488	National Institutes of Health
<a href="#">4/4-RUPP Autism Network: Guanfacine for the treatment of hyperactivity in PDD</a>	Scahill, Lawrence	Yale University	\$556,007	National Institutes of Health
<a href="#">Pharmacotherapy of pervasive developmental disorders</a>	Stigler, Kimberly	Indiana University-Purdue University Indianapolis	\$184,540	National Institutes of Health

#### **4.L.D**

Support at least five community-based studies that assess the effectiveness of interventions and services in broader community settings by 2015. Such studies may include comparative effectiveness research studies that assess the relative effectiveness of:

- Different and/or combined medical, pharmacological, nutritional, behavioral, service-provision, and parent- or caregiver-implemented treatments;
- Scalable early intervention programs for implementation in underserved, low-resource, and low-literacy populations; and
- Studies of widely used community intervention models for which extensive published data are not available. Outcome measures should include assessment of potential harm as a result of autism treatments, as well as positive outcomes.

*IACC Recommended Budget: \$37,500,000 over 5 years.*

Project Title	Principal Investigator	Institution	Funding	Funder
<a href="#">Parent-implemented social-pragmatic communication intervention for young children with developmental disabilities</a>	Angell, Maureen	Illinois State University	\$302,254	Department of Education

<a href="#">iSKILLS : The audio/video guidance repository for life skills</a>	Ayres, Kevin	University of Georgia	\$389,442	Department of Education
<a href="#">Peer-mediated interventions for elementary school students with autism spectrum disorders</a>	Blakeley-Smith, Audrey	University of Colorado Denver	\$10,000.00	Organization for Autism Research
<a href="#">Related services intervention for expressive and receptive language skills in autism spectrum disorder and in cognitive impairment</a>	Camarata, Steven	Vanderbilt University	\$310,894	Department of Education
<a href="#">Peer support and peer network interventions to improve peer relationships and school engagement</a>	Carter, Erik; Asmus, Jennifer	Vanderbilt University; University of Wisconsin-Madison	\$622,904	Department of Education
<a href="#">Pivotal response group treatment for parents of young children with autism</a>	Hardan, Antonio	Stanford University	\$99,883	Autism Speaks
<a href="#">Effectiveness of reciprocal imitation training for adolescents with low-functioning autism</a>	Ingersoll, Brooke	Michigan State University	\$56,249	Autism Speaks
<a href="#">Improving social-communication, literacy, and adaptive behaviors for young children with autism spectrum disorders</a>	Kamps, Debra	University of Kansas	\$744,999	Department of Education
<a href="#">ACE Center: Optimizing social and communication outcomes for toddlers with autism</a>	Kasari, Connie	University of California, Los Angeles	\$303,029	National Institutes of Health
<a href="#">Deployment focused model of JASPER for preschoolers with autism spectrum disorders</a>	Kasari, Connie	University of California, Los Angeles	\$150,000	Autism Speaks
<a href="#">Developing a 3D-based virtual learning environment for use in schools to enhance the social competence of youth with autism spectrum disorder</a>	Laffey, James	University of Missouri	\$498,378	Department of Education

<a href="#">Parent-mediated vs. center-based intervention for toddlers with ASD: An RCT</a>	Landa, Rebecca	Kennedy Krieger Institute	\$0	Health Resources and Services Administration
<a href="#">Implementing evidence-based social skills interventions in public school settings</a>	Locke, Jill	University of Pennsylvania/Children's Hospital of Philadelphia	\$0	Autism Science Foundation
<a href="#">Early intervention in an underserved population</a>	Lord, Catherine	University of Michigan	\$73,763.00	Autism Speaks
<a href="#">A randomized control study of relationship focused intervention with young children with ASD</a>	Mahoney, Gerald	Case Western Reserve University	\$149,213	National Institutes of Health
<a href="#">A computer-based social intervention for students with high functioning ASD: Using technology to improve special education</a>	McMillan, Janey	3-C Institute for Social Development	\$149,993	Department of Education
<a href="#">Comparison of two comprehensive treatment models for preschool-aged children with autism spectrum disorders and their families</a>	Odom, Samuel	University of North Carolina at Chapel Hill	\$0	Department of Education
<a href="#">Teaching children with autism to identify social saliency: Shifting attention</a>	Persicke, Angela	Center for Autism and Related Disorders (CARD)	\$29,150	Center for Autism and Related Disorders
<a href="#">Teaching children with autism to respond to subtle social cues: Desires</a>	Persicke, Angela	Center for Autism and Related Disorders (CARD)	\$29,151	Center for Autism and Related Disorders
<a href="#">Increasing flexibility in children with autism</a>	Ranick, Jennifer	Center for Autism and Related Disorders (CARD)	\$40,811	Center for Autism and Related Disorders

<a href="#">Randomized controlled trial of the P.L.A.Y. Project intervention for autism</a>	Solomon, Richard	Solomon, Richard MD, PLC	\$546,588	National Institutes of Health
<a href="#">The effectiveness of an evidence-based parent training intervention in a community service setting</a>	Stadnick, Nicole	University of California, San Diego	\$28,000.00	Autism Speaks
<a href="#">Translating pivotal response training into classroom environments</a>	Stahmer, Aubyn; Schreibman, Laura	Rady Children's Hospital Health Center	\$0	Department of Education
<a href="#">Developing a school-based social competence intervention (SCI)</a>	Stichter, Janine	University of Missouri	\$358,118	Department of Education
<a href="#">iPrompt to improve teaching students with ASD</a>	Tedesco, Robert	HandHold Adaptive, LLC	\$271,835	Department of Education
<a href="#">Efficacy of the home TEACCHing program for toddlers with autism</a>	Turner-Brown, Lauren	University of North Carolina at Chapel Hill	\$299,997	Health Resources and Services Administration
<a href="#">Expanding the reach of toddler treatment in autism</a>	Vismara, Laurie	University of California, Davis	\$10,000	Organization for Autism Research
<a href="#">Development of an intervention to enhance the social competencies of children with Asperger's/high functioning autism spectrum disorders</a>	Volker, Martin; Lopata, Christopher; University of Rochester	University at Buffalo, The State University of New York	\$0	Department of Education

<a href="#">Social communication and symbolic play intervention for preschoolers with autism</a>	Watson, Linda; Boyd, Brian	University of North Carolina at Chapel Hill	\$0	Department of Education
<a href="#">Efficacy of a parent-mediated intervention for one-year-olds at risk for autism</a>	Watson, Linda	University of North Carolina at Chapel Hill	\$661,373	Department of Education
<a href="#">Outcomes of a community center-based program for toddlers with autism spectrum disorders</a>	Wong, Connie; Odom, Samuel	University of North Carolina at Chapel Hill	\$10,000	Organization for Autism Research
<a href="#">Cognitive behavioral therapy for core autism symptoms in school-age children</a>	Wood, Jeffrey	University of California, Los Angeles	\$150,000	Autism Speaks
<b><u>4. Other</u></b> Not specific to any objective				
Project Title	Principal Investigator	Institution	Funding	Funder
<a href="#">Development of an executive function-based intervention for autism spectrum disorder</a>	Anthony, Laura	Children's Research Institute	\$255,420	National Institutes of Health
<a href="#">Teaching children with ASD to tell socially appropriate "white lies"</a>	Bergstrom, Ryan	Center for Autism and Related Disorders (CARD)	\$18,078.00	Center for Autism and Related Disorders

<a href="#">Robot child interactions as an intervention tool for children with autism</a>	Bhat, Anjana	University of Connecticut	\$353,250	National Institutes of Health
<a href="#">Evaluating differential patterns of dishabituation in children with ASD</a>	Bishop, Michele	Center for Autism and Related Disorders (CARD)	\$17,025.00	Center for Autism and Related Disorders
<a href="#">Leadership Education in Neurodevelopmental Disabilities</a>	Blum, Nathan	University of Pennsylvania	\$26,000	Health Resources and Services Administration
<a href="#">MRI: Acquisition of instruments for interaction, learning, and perception in virtual environments</a>	Bodenheimer, Robert	Vanderbilt University	\$0	National Science Foundation
<a href="#">Guiding visual attention to enhance discrimination learning</a>	Carlin, Michael	University of Massachusetts Medical School	\$172,842	National Institutes of Health
<a href="#">Building a selective inhibitory control tone in autism: An rTMS study</a>	Casanova, Manuel	University of Louisville	\$219,780	National Institutes of Health
<a href="#">Virtual Environment for Social Information Processing (VESIP) Phase II</a>	Crossman, Jacob	Soar Technology, Inc.	\$335,758	Department of Education
<a href="#">Autism and the development of relational awareness</a>	Diamond, Adele	University of British Columbia	\$580,924	National Institutes of Health
<a href="#">Delayed motor learning in autism</a>	Dizio, Paul	Brandeis University	\$356,598	National Institutes of Health
<a href="#">Utility of social robots for promoting joint attention in infants and toddlers with disabilities</a>	Dunst, Carl	Orelena Hawks Puckett Institute	\$199,910	Department of Education

<a href="#">Sensory over responsivity &amp; anxiety in youth with autism</a>	Green, Shulamite	University of California, Los Angeles	\$33,337	National Institutes of Health
<a href="#">Identifying socially-based reinforcers for young children with ASD</a>	Gutierrez, Anibal	University of Miami	\$20,000	Organization for Autism Research
<a href="#">Improving emotion recognition skills in children with ASD: A test of new intervention</a>	Hobden, Karen	Wayne State University	\$10,000	Organization for Autism Research
<a href="#">Establishing conditioned reinforcers for children with ASD</a>	Kenzer, Amy	Center for Autism and Related Disorders (CARD)	\$43,056.00	Center for Autism and Related Disorders
<a href="#">Virtual environment for social information processing (VESIP)</a>	Knudsen, Keith	Soar Technology, Inc.	\$0	Department of Education
<a href="#">Using robotics to promote social cognitive skills in the inclusive classroom</a>	Lathan, Corinna	Anthrotronix, Inc.	\$0	Department of Education
<a href="#">Developing a novel treatment for restricted inflexible behavior</a>	Lewis, Mark	University of Florida	\$215,346	National Institutes of Health
<a href="#">Contingency manipulation in discrete trial interventions for children with autism</a>	Lionello-Denolf, Karen M	University of Massachusetts Medical School	\$171,215	National Institutes of Health
<a href="#">Genetic components influencing the feline - human social bond</a>	Lyons, Leslie	University of California, Davis	\$73,680	National Institutes of Health
<a href="#">Daily living and community skills video game for children with developmental disabilities</a>	Maguire, Amy	Sandbox Learning Company	\$0	Department of Education

<a href="#">Parent-based sleep education program for children with autism spectrum disorders</a>	Malow, Beth	Vanderbilt University	\$295,434	Health Resources and Services Administration
<a href="#">The Autism Curriculum Encyclopedia® (ACE®)</a>	Mansfield, Renee	New England Center for Children, Inc.	\$0	Department of Education
<a href="#">HCC-Medium: Personalized socially-assistive human-robot interaction: Applications to autism spectrum disorder</a>	Mataric, Maja	University of Southern California	\$28,756	National Science Foundation
<a href="#">Comparative effectiveness of therapies for children with autism spectrum disorders</a>	McPheeters, Melissa	Agency for Healthcare Research and Quality and Vanderbilt University	\$0.00	Agency for Healthcare Research and Quality
<a href="#">Adapting cognitive enhancement therapy for ASD</a>	Minshew, Nancy	University of Pittsburgh	\$198,582	National Institutes of Health
<a href="#">Desensitization techniques for difficult behaviors</a>	Openden, Daniel	Southwestern Autism Research & Resource Center (SARRC)	\$50,000	Southwest Autism Research & Resource Center
<a href="#">An interactive social tutoring system to improve and measure social goals for students with high functioning autism spectrum disorders</a>	Orenstein Davis, Naomi	3-C Institute for Social Development	\$0	Department of Education
<a href="#">Adaptive response technology for autism spectrum disorders intervention</a>	Sarkar, Nilanjan	Vanderbilt University	\$349,876	National Institutes of Health
<a href="#">A novel adaptive transactional virtual reality-based assistive technology for autism intervention</a>	Sarkar, Nilanjan	Vanderbilt University	\$116,875	National Science Foundation



<a href="#">ACE Center: Clinical Phenotype: Treatment Response Core</a>	Schreibman, Laura	University of California, San Diego	\$176,168	National Institutes of Health
<a href="#">Phase 2: Animated Visual Support for Social Support (AViSSS); An interactive virtual experience for social skill development</a>	Smith, Sean	University Of Kansas Center For Research, Inc.	\$248,001	Department of Education
<a href="#">Animated Visual Supports for Social Skills (AViSSS)</a>	Smith, Sean	University of Kansas Medical Center Research Institute, Inc.	\$0	Department of Education
<a href="#">Teaching children with ASD to understand sarcasm</a>	Tarbox, Jonathan	Center for Autism and Related Disorders (CARD)	\$40,811	Center for Autism and Related Disorders
<a href="#">Teaching children with ASD to understand metaphor</a>	Tarbox, Jonathan	Center for Autism and Related Disorders (CARD)	\$53,863	Center for Autism and Related Disorders
<a href="#">A cognitive-behavioral intervention for children with autism spectrum disorders</a>	White, Susan	Virginia Polytechnic Institute and State University	\$116,765	National Institutes of Health

