

Jerome Lejeune Foundation USA  
Funded projects by year

YEAR	INVESTIGATOR	LOCATION/LAB	TITLE OF PROJECT	TOPIC
1998	Gardener, Kathleen	Univ. of Colorado, Denver	Analysis Of The Expression Of Known Genes And New Genes In Cell Lines Trisomic And Normal, And Animal Models	Down syndrome
1999	Patterson, David	Univ. of Denver	Study Of The Variation In Purine Diet And Folate On A Mouse Model Of Trisomy 21	Down syndrome
2000	Gardener, Kathleen	Univ. of Colorado, Denver	Candidate Genes For The Phenotype Of Trisomy 21: Analysis Of Their Expression In The Normal And Trisomic Cell Lines 21 And In Murine Models	Down syndrome
2001	Tartakoff, Alan	Case Western Reserve Univ. Cleveland, OH	Molecular Therapy For Fragile X Syndrome Fragile X	Fragile X syndrome
2001	Galdzicki, Zygmunt	Uniformed Services Univ. of Health Sciences	The Impact Of Kainate Receptor Over-Expression On Brain And Spinal Cord Synaptic Plasticity In Mouse Ts65Dn - Animal Model Of Down Syndrome	Down syndrome
2001	Patterson, David	Univ. of Denver	Effect Of A Diet Rich In Antioxidants To Prevent The Loss Of Cholinergic Neurons And Cognitive Decline In Mice	General ID
2001	Yarowsky, Paul	Univ. of Maryland, Baltimore	Manipulation Of Adult Neurogenesis In Mice Ts65Dn, A Model Of Down Syndrome	Down syndrome
2002	Schapiro, Mark	Cincinnati Children's Hospital, Ohio	Study Of Language Processing By Functional Magnetic Resonance Imaging In Individuals With Trisomy 21	Down syndrome
2002	DiPaolo, Gilbert	Columbia Univ. New York, NY	Study Of The Metabolism Of Pip2 In A Mouse Model Of Trisomy 21	Down syndrome
2002	Gardener, Kathleen	Univ. of Colorado, Denver	Expert Meeting On The Gene-Phenotype Correlations In Trisomy 21	Down syndrome
2002	Gardener, Kathleen	Univ. of Colorado, Denver	Abnormalities Of The Protein Map Kinase And Calcineurin In Models Of Trisomy 21 Mice	Down syndrome
2002	Patterson, David	Univ. of Denver	Study Of Mitochondrial Proteins During Therapeutic Interventions In A Mouse Model Of Trisomy 21	Down syndrome
2002	Patterson, David	Univ. of Denver	Role Of Mitochondrial Proteins And Metabolic Response In The Mouse Model Ts65Dn Trisomy 21	Down syndrome
2003	Best, Tyler	Bethesda, MD	Pip2 Modulation Of Channel Current Girk In Trisomy 21	Down syndrome
2003	Mignot, Emmanuel	Stanford Univ. School of Medicine	The Cycle Of Sleep In A Model Of Trisomy 21: Metabolic Implications	Down syndrome
2003	Patterson, David	Univ. of Denver	Production And Use Of Transgenic Mice Cbs To Understand The Role Of This Enzyme In Trisomy 21	Down syndrome
2003	Yarowsky, Paul	Univ. of Maryland, Baltimore	Proliferation And Survival Of Neural Stem Cells Adult Ts65Dn Mice	Down syndrome
2004	Crawford, Dana	Albany Medical College, Albany, NY	Involvement Of Neuronal Overexpression Of The Gene adapt78 (DSCR1) In Trisomy 21	Down syndrome
2004	Galdzicki, Zygmunt	Uniformed Services Univ. of Health Sciences	Signaling Pathways In Platelets Of Patients And Mouse Models Of Trisomy 21	Down syndrome
2004	Kraus, Jan Peter	Univ. of Colorado School of Medicine, Aurora, CO	Mouse Models Of Deficiency Homocystinuria Cystathionine Beta Synthase (Cbs)	Homocystinuria
2004	Gardener, Kathleen	Univ. of Colorado, Denver	A Database Of Chromosome 21/trisomy 21	Down syndrome
2005	Miles, Michael	Cincinnati Children's Hospital, Ohio	Evaluation Of Effectiveness Of Coenzyme Q10 (ubiquinone) In Children With Trisomy 21	Down syndrome
2005	Min, Kyung-Tai	Indiana Univ., Bloomington	Using Drosophila To Study The Etiology Of Alzheimer's Disease In Trisomy 21	Down syndrome, AD
2005	Fisch, Gene	New York Univ.	Longitudinal studies of subtelomeric deletions cause of mental disability	General ID
2005	Yu, Eugene	SUNY Buffalo Roswell Park Cancer Institute	Characterization Of New Mouse Models Of Trisomy 21 Chromosomes Developed By Engineering	Down syndrome
2005	Patterson, David	Univ. of Denver	Mouse Models Over-Expressing Or Knockout The Gene Of The Reduced Folate Carrier (Rfc): Study Of The Role Of Rfc In Trisomy 21	Down syndrome
2006	Ringenbach, Shannon	Arizona State University, Tempe	Music And Movement In Persons With Down Syndrome	Down syndrome
2006	Elsea, Sarah	Baylor College of Medicine, Houston, TX	Identification Of Loci Responsible For Disorders In Mental Retardation Near The Smith-Magenis Syndrome	Smith-Magenis Syndr
2006	Vannest, Jennifer	Cincinnati Children's Hospital, Ohio	The Neural Basis Of Language In Neurodevelopmental Disorders	General ID - Language
2006	DiPaolo, Gilbert	Columbia Univ. New York, NY	Role Of The Over-Expression Of Synj1 In Cognitive Deficits In Mouse Models For Trisomy 21	Down syndrome
2006	Hwang, Yu-Wen	CUNY, College of Staten Island	Regulation Of The Assembly Of Endocytic Complex By Dyrk1A	Down syndrome
2006	Kraus, Jan Peter	Univ. of Colorado School of Medicine, Aurora	CBS: A Key Enzyme Involved In Homocysteine Metabolism And Hydrogen Sulfide	Down syndrome
2006	Costa, Alberto	Univ. of Colorado, Denver	Preclinical Development Of Targeted Pharmacotherapy At Associated Hypomyelination To Down Syndrome	Down syndrome
2006	Gardener, Kathleen	Univ. of Colorado, Denver	Conference On The Biology Of Genes On Chromosome 21: Correlation To Gene/phenotype In Trisomy 21	Down syndrome
2006	Gardener, Kathleen	Univ. of Colorado, Denver	Perturbation Of Signaling Pathways: Application To Cognitive Defects And Trisomy 21	Down syndrome
2006	Gardener, Kathleen	Univ. of Colorado, Denver	Data Mining For Gene-Phenotype And Drug Response Correlations In Down Syndrome	Down syndrome
2006	Manent, Jean-Bernard	Univ. of Connecticut	Investigating The Reversibility Of Neuronal Migration Disorders In Animal Model Year Of Double Cortex Syndrome	Double cortex syndr
2007	Smith, Ann C.M.	National Human Genome Research Institute (NIH)	Comparative Behavioral Phenomics: Investigation Of Structural And Functional Brain Networks In Smith-Magenis Syndrome And Relat	Smith-Magenis syndr
2007	Fisch, Gene	New York Univ.	Longitudinal Studies Of Children With Subtelomeric Deletions Causing Mental Handicap	General ID
2007	Heller, H.Craig	Stanford Univ. School of Medicine	GABA Based Pharmacotherapy Essays For Improving Cognition Through The Consolidation Of Sleep And Wake In Ts65Dn Mice	Down syndrome
2007	Yu, Eugene	SUNY Buffalo Roswell Park Cancer Institute	Effects Of Human Chromosome 21 Synthetic Regions And Dyrk1 On Trisomy 21-Related Phenotypes In Mice	Down syndrome
2007	Tejada-Simon, Maria	Univ. of Houston	Therapeutic Potential Of Rac1 Inhibitors In Cognitive Disorders	General ID
2007	Wong, Katy	Univ. of Illinois, Chicago	The Regulation Of Receptor Tyrosine Kinase Trafficking By Intersectin	General ID
2007	Bhattacharyya, Anita	Univ. of Wisconsin, Madison	Generation Of Human Trisomy 21 Pluripotent Cells	Down syndrome
2008	Ringenbach, Shannon	Arizona State University, Tempe	Examination Of Intra And Interhemispheric Processing Following Different Instructiong During Long Term Motor Learning In Persons With Down Syndrome	Down syndrome
2008	Elsea, Sarah	Baylor College of Medicine, Houston, TX	Defining The Critical Genes For Disorders Of Behavior And Developmental Delay On Chromosomes 2Q37.3 And 2Q23.1	2Q
2008	Wu, Jianhua	Georgia Institute of Technology, Atlanta, GA	Effect Of Ankle Weights On Overground Walking In Preadolescents With And Without Down Syndrome	Down syndrome
2008	Elton, Terry	Ohio State Univ., Columbus, OH	Down Syndrome And MicroRNAs	Down syndrome
2008	Lehman, Heather	SUNY Buffalo School of Medicine	Humoral Immunodeficiency In Pediatric Down Syndrome Patients	Down syndrome
2008	MacLean, Kenneth	Univ. of Colorado, Aurora	Novel Pathogenic Mechanisms And Treatment For Cognitive Impairment In CBS Deficient Homocystinuria	Homocystinuria
2008	Gardener, Kathleen	Univ. of Colorado, Denver	Stabilizing Post Translational Modification (Ptm) In Tissue Samples	General ID
2008	O'Bryan, John	Univ. of Illinois, Chicago	Defining Intersectin (ITSN) Function In Down Syndrome	Down syndrome
2008	Ryeom, Sandra	Univ. of Pennsylvania School of Medicine	Down Syndrome: Protection Against Cancer And The Role Of The Down Syndrome Candidate Region-1 Gene	Down syndrome
2009	Crawford, Dana	Albany Medical College, Albany, NY	The Role And Targeting Of Rcan1 In Down Syndrome	Down syndrome
2009	DiPaolo, Gilbert	Columbia Univ. New York, NY	Lipid Imbalance And Endosomal Dysfunction In Down Syndrome: A Lipidomic Approach	Down syndrome
2009	Kraus, Jan Peter	Univ. of Colorado School of Medicine, Aurora	Targeting Misfolding In Homocystinuria	Homocystinuria
2009	Sturgeon, Xiaolu	Univ. of Colorado School of Medicine, Aurora	Down Syndrome And Intellectual Disability Gene Networks	Down syndrome
2009	Gardener, Kathleen	Univ. of Colorado, Denver	Aging And Dementia In Down Syndrome: Neuropsychological Profile And Intervention	Down Syndrome
2009	Gardener, Kathleen	Univ. of Colorado, Denver	Perturbation Of Signaling Pathways In The Tc1 Mouse Model Of Down Syndrome	Down syndrome
2009	Hauck, Janet L.	Univ. of Michigan, Ann Arbor	Promoting Physical Activity In Young Children With Down Syndrome	Down syndrome
2009	Weeber, Edwin J.	Univ. of South Florida, Tampa	Therapeutic Interventions For Angelman Syndrome	Angelman syndrome
2010	Elsea, Sarah	Baylor College of Medicine, Houston, TX	Development And Characterization Of A Neuronal Model System For Analysis Of Compounds To Modulate Rai1 Expression In Smith-Magenis Syndrome	Smith-Magenis Syndr
2010	Roper, Randal	Indiana Univ. - Purdue Univ. Indianapolis, IN	Mechanisms Of Craniofacial And Appendicular Bone Development Disrupted By Trisomy In Down Syndrome	Down syndrome
2010	Walz, Katherina	Univ. of Miami	Exploring The Reversibility Of Neuron Functional Deficiency	General ID
2010	Young, Juan	Univ. of Miami	Modulation Of Rett-Like Phenotypes In Mouse Models Of Rett Syndrome	Rett Syndrome

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2011	Min, Kyung-Tai	Indiana Univ., Bloomington	Investigating The Biological Pathways Shared Between Down Syndrome And Fragile X Syndrome	Down syndrome, Frag
2011	Nadel, Lynn	Univ. of Arizona, Tucson	High Density EEG Biomarkers Of Memory Dysfunction In Down Syndrome	Down syndrome, men
2011	Gardener, Kathleen	Univ. of Colorado, Denver	Comparative Analysis Of Drug Responses In Mouse Models Of Down Syndrome	Down syndrome
2011	Nazir Okur, Mustafa	Univ. of Illinois, Chicago	Intersectin Regulation Of EGFR Ubiquitylation And Degradation	Down syndrome
2012	Brookes, Emily	Children's Hospital, Boston	Elucidating The Role Of Histone Demethylase Smmc In Intellectual Disability Using Human Induced Pluripotent Stem Cells	General ID
2012	Curie, Aurore	Massachusetts General Hospital	Study Of Neuronal Networks And Cognitive Mechanisms Involved In X Linked Intellectual Disability	X-linked disorders
2012	Do, Long	Univ. of California, San Diego	21Lab: A collaborative data sharing and data integration platform for the Down syndrome research community	Down syndrome
2012	Gardener, Kathleen	Univ. of Colorado, Denver	Workshop On Cognition In Down Syndrome: Molecular, Cellular And Behavioral Features And The Promise Of Therapeutics	Down syndrome
2012	Lazarov, Orly	Univ. of Illinois, Chicago	The mechanism of impaired developmental neurogenesis in Down syndrome	Down syndrome
2012	O'Bryan, John	Univ. of Illinois, Chicago	Role of intersection 1 (ITSN1) in APP processing	Down syndrome
2012	Chang, Karen	Univ. of Southern California	Systematic analysis of genes contributing to synaptic defects in Down syndrome	Down syndrome
2013	Pang, Zhiping	Child Health Institute, New Jersey	Regulation of MeCP2 by chromosome21-microRNAs and the implications in intellectual disability	Down syndrome
2013	DiPaolo, Gilbert	Columbia Univ., New York	Role of the Synj1-App interaction in Down syndrome-associated endosomal anomalies	Down syndrome
2013	Sheen, Volney	Harvard Medical School	Gene silencing of trisomy 21 in Down syndrome	Down syndrome
2013	Welshhans, Kristy	Kent State Univ., OH	Dysregulated local translation of Dscam in Down syndrome	Down syndrome
2013	Tarui, Tomo	Mother Infant Research Institute, Boston	Advanced magnetic resonance imaging of the developing brain in living fetuses with Down syndrome	Down syndrome
2013	Fisch, Gene	New York Univ.	Developmental Trajectories in Rare Genetic Disorders that Cause Cognitive Impairment	General ID
2013	Kong, Xiao-Fei	Rockefeller Univ., New York	Genetic and immunological dissection of chronic mucocutaneous disease in patients with Down syndrome	Down syndrome
2013	Kleschevnikov, Alexander	Univ. of Southern California	Synaptic plasticity and cognition in Ts65Dn:Kcnj6 <sup>+/+</sup> mouse model of Down syndrome	Down syndrome
2013	Bhattacharyya, Anita	Univ. of Wisconsin, Madison	Investigation of oxidative stress in human Down syndrome neuronal development	Down syndrome
2014	Ikezu, Tsuneya	Boston Univ. School of Medicine	miRNA/STAT3 axis as a novel therapeutic target of Down Syndrome	Down syndrome
2014	Granhölm, Ann-Charlotte	Medical Univ of South Carolina	A World Wide Down syndrome-Alzheimer's disease Biobank network	Down syndrome - AD
2014	Salehi, Ahmad	Palo Alto Veteran's Institute for Research, CA	Effects of Chronic Intermittent Hypoxemia on Cognitive Function in Down Syndrome	Down syndrome
2014	Spanò, Goffredina	Univ of Arizona, Tucson	Sleep-dependent memory consolidation in Down syndrome	Down syndrome
2014	Galambos, Csaba	Univ. of Colorado, School of Medicine, Aurora	Role of Impaired Angiogenesis in the Pathogenesis of Severe Cardiopulmonary Disease in Children with Down Syndrome	Down syndrome
2014	Glass, Tiffany	Univ. of Wisconsin, Madison	Characterization of Oromotor and Swallowing Phenotypes of a Down Syndrome Mouse Model	Down syndrome
2014	Arias Trejo, Natalia	Universidad Nacional Autonoma de Mexico	Language comprehension in Down syndrome	Down syndrome
2015	Bozkurt, Alper	North Carolina State University	A miniaturized wireless system to detect and predict obstructive sleep apnea in children with Down syndrome	Down syndrome
2015	Hitzler, Johann	Hospital for Sick Children, Research Institute, Toronto	Defining Risk Groups of AML in Children with Down Syndrome	Down syndrome
2015	Weiss, Lauren	University of California, San Francisco	Morphological and functional consequences of cardio-facio-cutaneous syndrome mutations across neuronal subtypes	CFCs