

THE FOUNDATION OF HOPE
FUNDED RESEARCH GRANTS LIST MASTER REPORT
1985-Present

Since the first year a gift was made in 1985, The Foundation of Hope for Research and Treatment of Mental Illness has awarded over 160 research grants and community service grants totaling more than \$5.7 million. Types of research projects funded include but not limited to schizophrenia, eating disorders, depression, bipolar disorders, PMS, autism, thyroid dysfunction, post-partum depression, post-traumatic stress disorder and social phobias.

<u>Researcher/Applicant</u>	<u>Title</u>	<u>Date</u>	<u>Amount</u>
Dr. Elizabeth Andersen	Depression Susceptibility in Adolescent Females: Estrogen Variability, Stress Exposure, and Fronto-Limbic Brain Dynamics	5/18	\$38,710.72
Dr. Flavio Frohlich	Mechanism of Action of Transcranial Alternating Current Stimulation for the Treatment of Major Depression Disorder	5/18	\$100,000
Dr. Heather Hazlett	Cellular and Molecular mechanisms governing cortical surface area overgrowth in iPSC-derived neural cells from longitudinally characterized autism individuals	5/18	\$49,720.96
Dr. Donita Robinson	Reversing the pharmacological effects of cocaine by allopregnanolone	5/18	\$54,506
Dr. Kai Xia	Predicting Early Brain Development via Deep Learning of DNA	5/18	\$39,742
Dr. Takahiro Soda	The Genetics of ECT	5/18	\$39,990
Dr. Cynthia Bulik	"Binge Eating Genetics INitiative (BEGIN)"	5/17	\$40,000
Dr. Fredrik Jarskog	"Randomized controlled trial of pyridoxine for tardive dyskinesia"	5/17	\$99,905
Dr. Hiroyuki Kato	"Excitation-inhibition imbalance in autistic auditory cortex and its effects on spectro-temporal sound integration"	5/17	\$100,000
Dr. Darin Knapp	"Alcohol Intoxication mediated through medial septal circuitry"	5/17	\$39,210
Dr. Cort Pedersen	"Testing Oxytocin Treatment of Opioid Withdrawal"	5/17	\$40,808
Dr. Joseph Piven Dr. Mark Zylka Dr. Jason Stein	"Prospective Identification of Individuals with a Brain Overgrowth Form of Autism"	5/17	\$40,000

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Dr. Crystal Edler Schiller	"Characterizing the Hormone Sensitive Phenotype of Postpartum Depression: An Experimental Investigation of Mood, Behavior, and Brain Function	5/17	\$39,357
Dr. Hiroyuki Kato Dr. Garret D. Stuber	Deep Phenotyping of Behavioral Patterns Associated with Neuropsychiatric Disease	11/16	\$162,707
Dr. Flavio Frohlich	Achieving Synergy with Multimodal Brain Stimulation: Electricity meet Magnetism	11/16	\$156,613
Dr. Rebecca Knickmeyer Santelli	Identifying Metabolites in the Microbiome-Gut-Brain Axis during infancy	5/16	\$64,881
Dr. Garret D. Stuber	Single cell transcriptional profiling to identify novel Neurocircuit targets for reproductive mood disorders.	5/16	\$45,000
Dr. Crystal Edler Schiller	Effects of a Tissue Selective Estrogen Complex (TSEC) on Depression and the Neural Reward System in the Perimenopause	5/16	\$40,000
Dr. Cynthia Bulik	Fecal Microbiota Transplantation for Severe and Enduring Anorexia Nervosa (FMT for SE-AN)	5/16	\$33,250
Dr. Stephanie Zerwas	Predicting the Trajectory of Restrictive Eating in Childhood from Genetic Risk for Anorexia Nervosa	5/16	\$45,000
Dr. Yuhui Li	Establishing Network Targets during Developmental for Non-Invasive Brain Stimulation	5/16	\$37,549
Dr. Samantha Meltzer-Brody	gPACT - a rapid, large & inexpensive study of Postpartum Depression	12/15	\$99,000
Dr. Garret Stuber	Defining, Mining, and Reversing Neurocircuit Adaptions in Addiction	5/15	\$100,000
Dr. Flavio Frohlich	Next Generation Non-invasive Brain Stimulation: A Novel Solution Enabled by Mobile Technology and Big Data	5/15	\$200,000
Dr. Mary Kimmel	The Gut Microbiome and Perinatal Mood and Anxiety Disorders (PMAD) : A Pilot Study to Examine the Microbiome in Relation to Perinatal Changes in Stress & Immune Systems	5/15	\$39,912
Dr. Stephanie Zerwas	Autoimmune Illness, Infections, and Genetic Risk for Anorexia Nervosa	5/15	\$39,981
Dr. James Crowley	Identifying Susceptibility Loci for Tourette's Syndrome in a Densely Affected Pedigree	5/15	\$40,000

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Researcher/Applicant	Title	Date	Amount
Dr. Sarah Short	Investigating Brain and Behavior Development in Typical and High-Risk Children	5/15	\$46,921
Dr. Karen Grewen	Oxytocin effects on cocaine-induced Maternal neglect: A Translational Study	5/14	\$39,956
Dr. Jenna McHenry	Deconstructing Maternal Circuit Elements that Underlie Anxiety & Motivation	5/14	\$40,000
Dr. Eliza Park	Longitudinal Assessment of Mental Health Needs of Advanced Cancer Patients with Dependent Children	5/14	\$38,898
Dr. Shannon Crowley	Sleep Dysregulation & Neuroendocrine Stress Reactivity: Towards a Biopsychosocial Model of Vulnerability to Postpartum Depression	5/14	\$39,605
Dr. Aysenil Belger & Dr. Eric Elbogen	Neural Basis of Decision Making & Emotion Regulation Deficits in Post-Traumatic Stress Disorder (PTSD)	5/14	\$31,222
Dr. Lisa Tarantino	Behavioral Characterizations of a Mouse Model of Wolfram Syndrome: A Disease with Psychiatric Implications	5/14	\$46,620
Dr. Robin Casey	Oxytocin: A Potential New Treatment for Alcoholism	5/13	\$40,000
Dr. Wei Gao	Functional Development Abnormalities Associated with Genetic Risk of Bipolar During Infancy	5/13	\$71,302
Dr. Lara Cinisomo	Assessing the association between stressful life events, hormonal dysregulation and postpartum depression among lactating Latina mothers: A Pilot Study	5/13	\$39,996
Dr. Joyce Beshler	Adolescent Depression: persistent behavioral and neuroadaptations in rat model	5/13	\$39,999
Dr. Shane Rau	Integrated Illness Management and Recovery for Persons with Severe Mental Illness and Metabolic Syndrome (I-IMR)	5/13	\$39,993
Dr. Laura Klinger	Adult Outcome in Autism Spectrum Disorder: A Longitudinal Prospective Study of Individuals Served by the TEACCH Autism Program	3/12	\$39,546
Dr. Anna Brandon	Partners Fighting Depression During Pregnancy and Postpartum	3/12	\$40,000
Dr. Crystal Schiller	Gonadal Steroids and Neural Function in an Experimental Model	3/12	\$39,984

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Dr. Flavio Frohlich	Speaking the Language of the Brain: Adaptive Non-Invasive Brain Stimulation	3/12	\$40,000
Dr. Rebecca Santelli	Gut Microbiota & Brain Development in One-Year-Old Healthy Infants	3/12	\$40,000
Dr. Garret Stuber	Dissecting Amygdala-Cortical Neural Circuits that Mediate Fear and Anxiety	3/11	\$30,000
Dr. Susan Killenberg	Repetitive Transcranial Magnetic Stimulation for the Treatment of Postpartum Depression	3/11	\$39,662
Dr. Franc Donkers	Assessing the Integrity of the Brain's Rhythm in infants @ familia HR for Schizophrenia	3/11	\$39,809
Dr. Darin Knapp	Pathological Responses to Acute Challenges in a Fawn Hooded Rat Model of Comorbid Alcoholism& Depression	3/10	\$39,426
Dr. Joseph Piven	Mapping the Development of Joint Attention Neural Circuitry: A Preliminary step in Developing a Screening Test for Autism	3/10	\$39,999
Dr. Cynthia Bulik	Genetic Consortium for Anorexia Nervosa (GCAN)	3/10	\$40,768
Dr. David Penn	Internet-based CBT for Individuals with Schizophrenia	3/10	\$28,126
Dr. Gary Duncan	Preclinical Assessment of Kainite Antagonists as a Potential New Class of	3/10	\$34,397
Dr. Gabriel Dichter	Neural Correlates of Reward in Autism	3/09	\$39,947
Dr. Linmarie Sikich	Pilot Study of Intensive Computerized Brain Training in Early Onset Schizophrenia & Schizoaffective Disorder	3/09	\$34,690
Dr. Brian Sheitman	Research Infrastructure UNC Center for Excellence in Community Mental Health	3/09	\$38,112
Dr. Lisa Tarantino	Genetic Basis of Hormone-Sensitive Affective Dysregulation: Haplotype Association Mapping	11/08	\$78,450
Dr. Donita Robinson	Dopamine Release in Rats with Chronic Alcohol Exposure: Effects of Topiramate	11/08	\$39,999
Dr. Heather Cody Hazlett	A Pilot Study of Brain Development in Infants with Downs Syndrome	11/08	\$40,000

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Researcher/Applicant	Title	Date	Amount
Dr. Samantha Meltzer-Brody	A Prospective Study of Postpartum Mood Episodes in Women with Affective Disorders	11/08	\$38,796
Dr. Karen Cusack	In-Jail Trauma Intervention for Mentally Ill Detainees with Co-occurring Disorders	11/08	\$39,980
Dr. Cort Pedersen	Oxytocin Treatment of Social Deficits and Paranoia in Schizophrenia	11/08	\$33,069
Dr. David Rubinow	Women's Mood Disorders Program: Reproductive Steroids & Affect Dysregulation Across Life Cycle	11/08	\$200,000
Dr. Rebecca Knickmeyer	Early Brain Development in Children of Mothers with Depressive Disorders During Pregnancy	3/07	\$40,000
Dr. Robert McClure	Schizophrenia & Genomic Regions Implicated in Human Evolution	3/07	\$40,000
Dr. Aysenil Belger	Search for Brain Biobehavioral Markers of Schizophrenia: Clinical, Electrophysiological, Neuroimaging and Neurocognitive Alterations in Clinical & Genetic High-risk Adolescents	3/07	\$40,000
Dr. Denisse Ambler	Strategies to Reduce Antipsychotic- Associated Weight Gain in Youth	3/07	\$40,000
Dr. Fredrik Jarskog	Epigenetic Regulation of BDNF in Schizophrenia Cortex	3/07	\$40,000
Dr. Lea Watson	Perceived Barriers to Screening for Dementia in the Community	4/05	\$30,000
Dr. Patrick Sullivan	Functional Variation in Neuregulin-1 Binding Partners	4/05	\$39,000
Dr. Aysenil Belger	The Role of Dopamine in Normal Brain Function	4/05	\$30,000
Dr. David Penn	Social Cognition and Interaction Training (SCIT) In Schizophrenia	4/05	\$30,000
Dr. Diana Perkins	Genetic Control of Neurodevelopment in Schizophrenia	4/05	\$31,000
Dr. John Gilmore	Modeling Gene-Environment Interactions in Schizophrenia	4/05	\$40,000

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Dr. Kevin Pelphrey	Functional Neuroimaging of Social Cognition in Children with Autism	4/04	\$25,000
Dr. Cynthia M. Bulik	Risk Factors for Anorexia Nervosa in Swedish Twins: A Pilot Study	4/04	\$40,000
Dr. Samantha Meltzer-Brody	Treating Trauma and PTSD in Chronic Pelvic Pain	4/04	\$20,000
Dr. Richard Mailman	Design of Isoform-Selective D1-like Ligands as Novel Drugs for Treatment of Negative Symptoms & Cognition	4/04	\$40,000
Drs. Patrick Sullivan and Patricia Maness	Is NCAM1 Associated with Schizophrenia?	4/04	\$25,000
Drs. R. Marshall Pope & Leslie A. Morrow	A Sensitive & Selective Method to Quantify Endogenous Steroids & Disentangle the Effects of Psychiatric Drug Therapies	3/01	\$30,000
Dr. David Penn	Social Cognitive Vulnerability Markers or Schizophrenia	3/01	\$30,000
Dr. Gary E. Duncan	Antipsychotic Drug Effects on Neuropsychological and Brain Metabolic Responses to Keramine	3/01	\$50,000
UNC-Chapel Hill Dept. of Neurosciences	Contribution for Completion of the UNC Distinguished Professor of Eating Disorders Professorship	5/01	\$45,000
Dr. Aysenil Belger	Cortical Function in the Schizophrenia Prodrome & First Episode Studies by FMRI & ERP: Implications for the Diagnosis & Prevention of Schizophrenia	11/00	\$40,000
Dr. Guido Gerig	Neonatal Cerebral Ventricle Shape from 3D Ultrasound in Neuropsychiatric Disorders	11/00	\$30,000
Dr. Joseph Piven	The North Carolina Mental Retardation and Developmental Disabilities Research Center	3/00	\$50,000
UNC School of Medicine Dept. of Psychiatry	The Thad and Alice Eure Distinguished Research Professorship of Psychiatry	3/00	\$273,000
Dr. Frank Symons	The Biochemistry of Pain in Self-Injury in Developmental and Psychiatric Disorders	11/99	\$20,000
Dr. Leslie Boyce	Can VeloCardioFacial Syndrome (VCFS) Help Us Understand Schizophrenia: Systematic Determination of the Prevalence of Comorbid VCFS and Psychiatric Illness	11/99	\$30,000

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UNC School of Medicine Dept. of Psychiatry	The Thad and Alice Eure Distinguished Research Professorship of Psychiatry	6/99	\$60,000
Drs. Alexi Kampov-Polevoi & James Garbutt	Relationship Between Sweets Preference & liability to Alcohol Abuse & Dependence: A Twin Study	3/99	\$21,000
Drs. Michael Golding & Stanley Carson	Paroxetine (Paxil) in the Treatment of Social Phobic Physiological Responses in Patients with Coronary Artery Disease	11/98	\$14,789
Dr. Miranda Chakos	Double-Blind, Placebo-Controlled Premarin Augmentation Trial of Antipsychotic Treatment in Female Patients with Schizophrenia or Schizo-Affective Disorder	11/98	\$25,000
Dr. Richard Mailman	Cognition, Schizophrenia and Molecular Mechanisms of Drug Desensitization	11/98	\$24,000
Dr. Terri Blackmon	Bone Mineral Density in Women with Schizophrenia	11/98	\$29,800
Dr. Lian Li	Novel Molecular Target in the Pathophysiology and Treatment of Schizophrenia	2/98	\$20,000
Dr. Fredrik Jarskog	Programmed Cell Death in Normal Human Neurodevelopment	11/97	\$23,147
Dr. Gary Duncan	Neurobiological Mechanism of Typical and Atypical Antipsychotic Drug Action	11/97	\$27,871
Dr. Miranda Chakos	Etiological Factors that Contribute to Structural Brain Abnormalities in Schizophrenia	11/97	\$28,600
Dr. Lin Sikich & Dr. Linda Meredith Nicholas	Neuropsychiatric Disorders, Panic Disorder & Multiple Chemical Sensitivity: Psychobiological Links	3/97	\$24,691
Dr. Lin Sikich	Cognitive and Brain Imaging Studies in Developmental	3/97	\$27,000
Dr. Cort A. Pedersen	Effects of Thyroid Hormone Treatment During Late Pregnancy on Postpartum Depression	3/97	\$16,500
Dr. Cindy P. Lawler	Neuroleptics and Brain Structural Changes	3/97	\$19,210
Dr. Scott Stroup	Investigation of Treatment Quality & Life Satisfaction of Persons with Severe Mental Illness, Residing in Domiciliary Care Homes	6/96	\$26,793

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Dr. A. Leslie Morrow	Endogenous Neurosteroid Levels in Abstinent Alcoholic Men	2/96	\$19,000
Dr. John H. Gilmore	Fetal Brain Development Assessed In-Utero with Ultrasound: Implications for Subsequent Neurodevelopmental Abnormalities & Risk of Neuropsychiatric Illness	2/96	\$29,600
Dr. Richard Mailman	OPC-14597, Novel Directions in the Treatment of Schizophrenia and Schizoaffective Disorders	2/96	\$24,618
Dr. H. Courvoisier	Neuropsychological & Neurometabolic Functioning in Children Diagnosed with Bipolar Disorder, Multiplex Disorder & Learning Disabilities	12/94	\$13,500
Dr. S. Silva	Neuropsychiatric Functioning in Women with Subclinical Hypothyroidism	12/94	\$13,500
Dr. D. Perkins	Genetics and Environmental Contributors to Clinical Subtypes in Schizophrenia: A Twin Study	12/94	\$8,000
Dr. S. Girdler	Severe Premenstrual Syndrome: Neuroendocrine Factors in Symptoms & Treatment	3/94	\$12,500
Dr. M. Tancer	Early Intervention Study of Social Phobia in Adolescents	6/93	\$3,734
Dr. C. Peterson	Role of Oxytocin in Modulation of Human Male Physiological Response to Different Stressors	6/93	\$20,000
Dr. D. Perkins	Season of Birth & Clinical Features of Schizophrenia: Exploring Gene-Environment Interaction	6/93	\$14,000
Dr. John Gilmore	Developmental Aspects of Dopamine	12/91	\$20,000
Dr. M. Tancer	Neurotransmitters Receptor Function in Social Phobia	11/91	\$15,250
Dr. Crejin.	Treatment of Depression with a Combination of Metyrapone and Antidepressants	7/91	\$20,000
Dr. D. Perkins	HLA, Season of Birth & Clinical Features of Schizophrenia Exploring a Possible Gene – Environment Interaction	7/91	\$12,000
Dr. K. Little	Cortisol Effects on Brain Noreadrenergic Receptors in Major Depression	3/91	\$6,500

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Dr. R. Stern	Neuropsychological Correlates & Depressive Symptomatology of Pregnancy & Postpartum Period	3/91	\$16,000
Dr. R. Swift	Psychiatric Illness in Phenylketonuric Heterozygotes	3/91	\$25,000
Dr. L. Cook	Interaction of the Antipsychotic Drug Clozapine with a Novel Class of D1 Dopamine Receptors	3/91	\$25,000
UNC TEACCH Division	Pattern of Family Learning Problems in Autism	11/90	\$17,000
Dr. J. Petitto	Genetic differences in Social Behavior: Relation to Immune Function & Disease Susceptibility	10/90	\$16,200
Drs. K. Little and G. Duncan	Cortisol effects on Brain Noradrenergic Receptors in Major Depressive Illness	6/90	\$23,000
Drs. M. Corrigan and J. Garbutt	Relationship between Early Life Traumatic Events & Two Biological Markers of Psychopathology	6/90	\$23,545
Dr. J. Hernandez	Relationship between the Thyroid State and the Mental State in the Young and Old	5/90	\$15,000
Dr. L. Noonan	Maternal Regulation of Hypothalamo-Pituitary-Adrenal Axis during Infancy	2/90	\$18,000
Dr. G. Mason	Effects of T3 on Stimulated Calcium Uptake & Neurotransmitter Release by Synaptosomes of Rat Cerebral Cortex	8/89	\$22,905
Dr. J. Garbutt	Effects of TRH on Chlordiazepoxide- Induced Behavior in Normal Studies	8/89	\$19,666
Dr. R. Stern	Neuropsychological Correlates of Thyroid Dysfunctions	8/89	\$26,317
Dr. C. Pederson	Relationship between Mood, Hormone and Immune Changes in New Mothers	3/89	\$29,873
Dr. D. Perkins	Mental Illness in Wolfram Syndrome Gene Carriers	8/88	\$29,724
Dr. G. Peterson	Oxytocin Effects on Hormonal Response to TRH & LHRH in Normal & Depressed Men	3/88	\$16,989
Dr. J. Garbutt	Euglycemic Insulin Study: For Dr. B. Eichelman	3/88	\$33,000

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Drs. J. Hernandez and H. Hashimoto	Central Nervous System Significance of Thyroid State	9/87	\$13,000
Dr. J. Garbutt	Behavioral Cognitive and Endocrine Effects of Insulin & Gericose Infusions in Normal Subjects	3/87	\$7,660
Drs. T. Hazelip, R. Hicks & J. Mayo	Magnesium Pemoline in the Treatment of Conduct-Disordered Adolescents	10/86	\$27,560
Dr. G. Mason	Effects of Thyroid Hormones in Brain Synapses.	10/86	\$11,460
Dr. J. Haggerty	The Role of Thyroid Axis in Common Psychiatric Illness	6/86	\$24,604
Dr. R. Golden	Role of Serotonin in Pathogenesis and Treatment of Depression	6/86	\$25,231
		Total:	\$5,726,755.44

* Community Service Grants made possible through a grant from GlaxoSmithKline