Schizophrenia-Related Grants—Fiscal Year 1983

The National Institute of Mental Health (NIMH) administers the Federal Government's major program of support for research in mental health. NIMH conducts and supports research in the etiology, treatment, and prevention of mental and emotional illnesses and research on many public health problems related to mental health. The many biological, genetic, psychological, social, and environmental factors which affect and shape mental health and mental illness are studied through NIMH-supported research in hospitals, universities, mental health centers, and community settings.

The research grants that appear below were selected for inclusion here on the basis of their direct relevance to schizophrenia, autism, and chronic mental illness. Each grant or contract has been categorized under the administrative component of NIMH that is involved with its funding and monitoring: the Division of Biometry and Epidemiology, the Division of Extramural Research Programs, and the Division of Prevention and Special Mental Health Programs.

Division of Biometry and Epidemiology

Epidemiologic Catchment Area—Duke University
MH 35386; $886,059
Blazer, Dan G. III
Duke University
Durham, NC

Psychiatric Epidemiology/Mental Disorders in Puerto Rico
MH 36230; $62,307
Canino, Glorisa
University of Puerto Rico
San Juan, PR

Social Stress-Social Selection and Psychiatric Disorders
MH 30710; $334,686
Dohrenwend, Bruce P.
Columbia University
New York, NY

Evaluation of Case Management
MH 38885; $87,060
Franklin, Jack L.
Texas Research Institute of Mental Sciences
Houston, TX

Assessing Client Support and Representation Services
MH 37051; $71,508
Freddolino, Paul P.
Michigan State University
East Lansing, MI

Hospitalization of the Chronically Mentally Ill
MH 34748; $129,911
Hargreaves, William A.
University of California
San Francisco, CA

Community Resistance to Group Homes in New Jersey
MH 38917; $31,633
Hogan, Richard L.
Rutgers University
New Brunswick, NJ

Epidemiologic Catchment Area—L.A., Hispanics and Anglos
MH 35865; $1,350,067
Hough, Richard L.
University of California
Los Angeles, CA

Research on the Chronically Mentally Ill Programs
MH 38870; $74,969
Kamis-Gould, Edna
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<td>Epidemiologic Catchment Area—East Baltimore</td>
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<td>Community Mental Health Center, Organization and Continuity of Care for CMI</td>
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<td>Heterogeneity of Schizophrenia</td>
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<td>A Statewide Needs Assessment of the Young Adult Chronic Patient</td>
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<td>Epidemiologic Catchment Area Program</td>
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<td>Community Support Service Program—Ohio</td>
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<td>Serious Mental Illness and Self-Help Treatment</td>
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<td>Psychiatric Hospitalization Versus Emergency Housing</td>
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<td>Effectiveness of Programs for the Mentally Ill Homeless</td>
<td>MH 38924</td>
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<td>Struening, Elmer L.</td>
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<td>Epidemiology: Premature Death in Major Psychoses</td>
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<td>Estimating Optimal Residential/Service Setting</td>
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<td>Wilson, Nancy Z.</td>
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<td>Biologic Parents in the Finnish Adoptive Family Study</td>
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<td>Wynne, Lyman C.</td>
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<td>Neuropsychiatric Mechanisms Underlying Flat Affect</td>
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<td>Alpert, Murray</td>
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<td>Models of the Pharmacotherapy of Schizophrenia</td>
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<td>Antelman, Seymour M.</td>
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<td>Adolescents and Adults at Genetic Risk for Psychosis</td>
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<td>Synaptic Transmission in the Central Nervous System</td>
<td>MH 47370</td>
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<td>Synaptic Transmission in the Central Nervous System</td>
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Classification of Chronic Hospitalized Schizophrenics
MH 35720; $113,792
Ban, Thomas A.
Vanderbilt University
Nashville, TN

Neuroregulators and Behavior
MH 23861; $662,059
Barchas, Jack D.
Stanford University
Stanford, CA

Neuroregulatory Agents and Behavior
MH 24161; $38,988
Barchas, Jack D.
Stanford University
Stanford, CA

Morphometric and Immunocytochemical Studies of Neocortex
MH 00423; $51,975
Benes, Francine M.
McLean Hospital
Belmont, MA

Mental Health Clinical Research Center to Study Biological Correlates of Psychopathology
MH 30854; $539,517
Berger, Philip A.
Stanford University
Stanford, CA

OR and Stimulus Significance in Chronic Schizophrenia
MH 28594; $83,736
Bernstein, Alvin S.
Downstate Medical Center
New York, NY

Brain Tissue Resource for Neuropsychiatric Research
MH 31862; $270,960
Bird, Edward D.

Data Documentation for Clinical Psychopharmacology
MH 33922; $36,200
Cassano, Giovanni B.
University of Pisa
Pisa, Italy

Indoleamine Metabolism in Autism and Mental Retardation
MH 38064; $144,407
Ciaranello, Roland D.
Stanford University
Stanford, CA

Genetics of Depression and Schizophrenia
MH 37276; $106,536
Comings, David E.
City of Hope National Medical Center
Duarte, CA

Regional Cerebral Physiology in Heath and Disease
MH 37957; $446,993
Cooper, Malcolm D.
University of Chicago
Chicago, IL

Cingulotomy for Pain and Psychiatric Disorder
MH 32230; $191,073
Corkin, Suzanne H.
Massachusetts Institute of Technology
Cambridge, MA

Investigation of Cognitive Dysfunction in Autism
MH 36840; $169,808
Courchesne, Eric
Children's Hospital and Health Center
San Diego, CA

Dopamine and Chronic Antipsychotic Drug Treatment
MH 28216; $60,412
Bowers, Malcolm B., Jr.
Yale University
New Haven, CT

Clinical Science Research Center in Psychiatry
MH 30929; $673,349
Bowers, Malcolm B., Jr.
Yale University
New Haven, CT

Brain Circulation in Mental Illness
MH 38514; $34,299
Burns, Elizabeth M.
University of Iowa
Iowa City, IA

Haloperidol and Attentional Learning in Autistic Children
MH 32212; $248,105
Campbell, Magda
New York University
New York, NY

Outpatient Treatment: Targeted Versus Maintenance Medication
MH 35996; $152,350
Carpenter, William T., Jr.
University of Maryland
Baltimore, MD

Antipsychotic Drug-Induced Dyskinesias
MH 36657; $78,578
Casey, Daniel E.
Medical Research Foundation of Oregon
Portland, OR
Neocortex Lesions and Catecholamine-Neuronal Function
MH 26654; $83,012
Coyle, Joseph T.
Johns Hopkins University
Baltimore, MD

Multiple Dopamine Receptors and Antipsychotic Drugs
MH 00316; $42,196
Creese, Ian N.
University of California
La Jolla, CA

Synthesis of Dopamine Autoreceptor Agonists
MH 38101; $11,563
Crider, Albert M.
University of Toledo
Toledo, OH

A Rational Use of Plasma HVA in Mental Illness
MH 37922; $80,925
Davis, Kenneth L.
Mount Sinai School of Medicine
New York, NY

Neuropsychology of Autism and Other Language Disorders
MH 36612; $14,572
Dawson, Geraldine
University of North Carolina
Chapel Hill, NC

Nuclear Magnetic Resonance in Schizophrenia
MH 37820; $83,329
DeMyer, Marrian K.
Indiana University
Indianapolis, IN

Social Status and Psychological Disorders
MH 14663; $40,117
Dohrenwend, Bruce P.
Columbia University
New York, NY

Prospective Study of Children of Schizophrenic Parents
MH 19560; $252,907
Erlenmeyer-Kimling, L.
New York State Psychiatric Institute
New York, NY

Neuropsychology of Attention in Infantile Autism
MH 00250; $50,758
Fein, Deborah A.
Boston University
Boston, MA

Clinical Correlates of Sleep EEG Waveforms in Schizophrenia
MH 36990; $100,154
Feinberg, Irwin
University of California
San Francisco, CA

Developmental Psychophysiology of Affect in Infants
MH 00331; $34,830
Field, Tiffany M.
University of Miami
Miami, FL

Biological Studies of Psychotic Disorders
MH 08618; $507,874
Friedhoff, Arnold J.
New York University
New York, NY

Chemical Factors in Abnormal Behavior
MH 14024; $38,838
Friedhoff, Arnold J.
New York University
New York, NY

Mental Health Clinical Research Center for Organic, Affective, and Schizophrenic Disorders
MH 35976; $358,286

Infantile Autism and the Fragile X Syndrome
MH 38201; $98,621
Friedman, Erwin
Institute for Basic Research in Developmental Disabilities
New York, NY

Neurochemical Adaptation to Chronic Antipsychotics
MH 32359; $71,644
Gale, Karen N.
Georgetown University
Washington, DC

Clozapine: Pilot Study with Nigrostriatal Intracranial Self-Stimulation
MH 37832; $17,190
Gardner, Elliot L.
Yeshiva University
New York, NY

Children Vulnerable to Psychopathology
MH 14914; $33,480
Garmezy, Norman
University of Minnesota
Minneapolis, MN

Biology of Schizophrenic Subtypes
MH 32668; $189,853
Garver, David L.
University of Cincinnati
Cincinnati, OH

Early Remission and Outcome of Acute Psychoses
MH 36755; $69,750
Gift, Thomas E.
University of Rochester
Rochester, NY

Role of Biogenic Amines in
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<td>Effects of Psychotherapy in Schizophrenia</td>
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<td>Goldstein, John G.</td>
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<td>Functional Brain Asymmetry in Psychosis</td>
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<td>Cerebral Metabolism and Blood Flow in Psychosis</td>
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<td>Gur, Raquel E.</td>
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<td>Reliability, Validity, and Documentation of Saffee</td>
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<td>Schizophrenic Cognition: A Longitudinal Study</td>
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<td>Family Attributes and Schizophrenic Course and Outcome</td>
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<td>Heinrichs, Douglas W.</td>
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<td>Intermittent Versus Maintenance Medication in Schizophrenia</td>
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<td>Membranes, Methylation, and Lithium-Responsive Illnesses</td>
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<td>Environmental-Personal Treatment</td>
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<td>Improved Clinical Screening of Phrenotropic Drugs</td>
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<td>Collaborative Biological Research in Schizophrenia</td>
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<td>Psychomotility and Cognitive Style in the Schizophrenias</td>
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<td>Mesolimbic Dopamine Lesions and Enkephalin</td>
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<td>Antipsychotic Drugs: Role of Cyclic Adenosine-3', 5' Monophosphate</td>
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<td>Asymmetry of Cognitive Processes in Psychopathology</td>
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<td>Gordon, Harold W.</td>
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<td>Consultation in the Risk Research Consortium</td>
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<td>Primary Prevention With Children of Disturbed Mothers</td>
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<td>Computer Applications in Psychiatry</td>
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Kane, John M.
Long Island Jewish-Hillside Medical Center
New Hyde Park, NY

Peripheral Blood Elements in Psychiatric Disease
MH 37654; $60,302
Kanof, Philip D.
Mount Sinai School of Medicine
New York, NY

Major Mental Disorders Among Mexican Americans
MH 00351; $39,038
Karno, Marvin
University of California
Los Angeles, CA

The Course of Schizophrenia Among Mexican Americans
MH 33502; $116,693
Karno, Marvin
University of California
Los Angeles, CA

Monoamine Oxidase in Animal and Human Systems
MH 31810; $51,303
Kobes, Rodger D.
University of Texas Health Science Center
Dallas, TX

Research in Autism: Parent Intervention
MH 28210; $72,876
Koegel, Robert L.
University of California
Santa Barbara, CA

Mechanisms of Dopamine Receptor Supersensitivity
MH 38159; $19,566
Lau, Yuen-Sum V.
Creighton University
Omaha, NE

Cognitive and Psychomotor Disorders in Psychopathology
MH 00460; $51,209
Levin, Smadar
McLean Hospital
Belmont, MA

Vestibular and Oculomotor Functioning and Psychopathology
MH 00336; $50,644
Levy, Deborah L.
Illinois State Psychiatric Institute
Chicago, IL

Measurement and Treatment of Negative Symptoms
MH 37898; $77,107
Lewine, Richard R.J.
Illinois State Psychiatric Institute
Chicago, IL

Mental Health Research Center Study of Schizophrenia
MH 30911; $479,455
Liberman, Robert P.
University of California
Los Angeles, CA

Prediction of Relapse in Schizophrenia
MH 38880; $145,863
Lieberman, Jeffrey A.
Long Island Jewish-Hillside Medical Center
New Hyde Park, NY

Variation in Neuroleptic Response—Asians Versus Caucasians
MH 38563; $16,940
Lin, Keh-Ming
Los Angeles County Harbor-University of California at Los Angeles Medical Center
Torrance, CA

Mental Health Clinical Research Center for Study of Psychotic Disorders
MH 36224; $364,154
Lipinski, Joseph F.
McLean Hospital
Belmont, MA

Experimental Studies in Child Schizophrenia
MH 11440; $99,411
Lovaas, O. Ivar
University of California
Los Angeles, CA

Psychosocial Determinants of Severe Mental Disorders
MH 31016; $58,979
Marsella, Anthony J.
Queen's Medical Center
Honolulu, HI

Psychoendocrine Studies of Bereavement
MH 00346; $37,711
Mason, John W.
Yale University
New Haven, CT

Cerebral Blood Flow in Depression and Schizophrenia
MH 37462; $176,831
Mathew, Roy J.
Vanderbilt University
Nashville, TN

Language and Sensory Stimulation in Autistic Children
MH 37035; $30,802
McConnell, James V.
University of Michigan
Ann Arbor, MI

Blood MAO and DBH Activities in the Major Psychoses
MH 25116; $31,229
Meltzer, Herbert Y.
University of Chicago
Chicago, IL
Neuroendocrine Studies of Psychoses
MH 29206; $120,336
Meltzer Herbert Y.
University of Chicago
Chicago, IL

Clinical Research Center for Study of Major Psychoses
MH 30938; $488,913
Meltzer, Herbert Y.
University of Chicago
Chicago, IL

Neuromuscular Dysfunction in the Psychoses
MH 47808; $39,852
Meltzer, Herbert Y
University of Chicago
Chicago, IL

Community Alternatives for Treatment of Schizophrenia
MH 35928; $86,048
Menn, Alma Z.
Institute for Psychosocial Interaction
Palo Alto, CA

Biosynthesis and Release of Neurotransmitters
MH 17785; $39,173
Musacchio, Jose M.
New York University
New York, NY

Developmental Processes in Schizophrenic Disorders
MH 37705; $111,067
Nuechterlein, Keith H.
University of California
Los Angeles, CA

Monoamine Receptor Sensitivity and Mental Illness
MH 36169; $20,474
Pandey, Ghanshyam N.
Illinois State Psychiatric Institute
Chicago, IL

Brainwaves and Attention in Schizophrenia
MH 35367; $119,839
Patterson, Terence E.
Menninger Foundation
Topeka, KS

Psychoneuroendocrine Rhythms and Sleep Disorders
MH 37814; $271,879
Pollak, Charles P.
Cornell University Medical Center
New York, NY

Hormones: Cause and Treatment of Affective Disorders
MH 22536; $37,813
Prange, Arthur J., Jr.
University of North Carolina
Chapel Hill, NC

Mental Health Clinical Research Center—Psychoneuroendocrinology: Children and Adults
MH 33127; $187,941
Prange, Arthur J., Jr.
University of North Carolina
Chapel Hill, NC

Neurotensin: An Endogenous Neuroleptic-Like Peptide
MH 34121; $57,673
Prange, Arthur J., Jr.
University of North Carolina
Chapel Hill, NC

Modification of Calmodulin by Phenothiazine Derivatives
MH 36774; $64,687
Prozialeck, Walter C.
Philadelphia College of Osteopathic Medicine
Philadelphia, PA

Antipsychotic Drugs and Control of Dopaminergic Neurons
MH 14092; $71,666
Roth, Robert H.
Yale University
New Haven, CT

Sensory-Motor Integration and Schizophrenia
MH 37742; $15,000
Rosen, Alexander J.
University of Illinois
Chicago, IL

Neurobiological Basis of Major Psychiatric Disorders
MH 25642; $701,387
Reiser, Morton F.
Yale University
New Haven, CT

Pituitary-Adrenal Disinhibition in Psychiatric Illness
MH 37037; $21,966
Reus, Victor I.
University of California
San Francisco, CA

Genetic and Immuno-Hematologic Factors in Autism
MH 31274; $157,092
Ritvo, Edward R.
University of California
Los Angeles, CA

Mexican American Health and Social Factors and Disease
MH 00047; $31,574
Roberts, Robert E.
University of Texas Health Science Center
Houston, TX

The Role of Monoamine Oxidase in Psychiatric Disorders
MH 34757; $142,376
Rose, Robert M.
University of Texas
Galveston, TX
<table>
<thead>
<tr>
<th>Research Topic</th>
<th>Funding Reference</th>
<th>Amount</th>
<th>PI Name</th>
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<tr>
<td>Transmethylation Kinetics in Schizophrenia</td>
<td>MH 36801; $75,442</td>
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<td>Sargent, Thornton III</td>
<td>University of California Berkeley, CA</td>
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<td>Determinants of Outcome of Severe Mental Disorder</td>
<td>MH 29969; $81,726</td>
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<td>Sartorius, Norman</td>
<td>World Health Organization Geneva, Switzerland</td>
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<td>Depression and Lymphocyte Function</td>
<td>MH 37774; $22,350</td>
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<td>Schleifer, Steven J.</td>
<td>Mount Sinai School of Medicine New York, NY</td>
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<td>Research in Autism: Parent Intervention</td>
<td>MH 28231; $81,099</td>
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<td>Schreibman, Laura E.</td>
<td>Claremont McKenna College Claremont, CA</td>
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<td>Electrophysiological Studies of Psychiatric Disorder</td>
<td>MH 12507; $246,569</td>
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<td>Shagass, Charles</td>
<td>Temple University Philadelphia, PA</td>
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<td>Object Concepts in Autistic Children</td>
<td>MH 33815; $58,446</td>
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<td>Sigman, Marian</td>
<td>University of California Los Angeles, CA</td>
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<td>Neurobehavioral Dysfunction in Psychiatric Disorders</td>
<td>MH 38288; $64,379</td>
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<td>Silverstein, Marshall L.</td>
<td>Illinois State Psychiatric Institute Chicago, IL</td>
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<td>Adjunctive Imipramine in Depressed Schizophrenics</td>
<td>MH 34309; $145,199</td>
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<td>Siris, Samuel G.</td>
<td>Mount Sinai School of Medicine New York, NY</td>
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<td>Receptor Versus Chemical Assay of Drug Levels and Response</td>
<td>MH 35807; $84,455</td>
<td></td>
<td>Smith, Robert C.</td>
<td>Texas Research Institute of Mental Sciences Houston, TX</td>
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<td>Attention, Thought Disorder, and Drug Action in Schizophrenia</td>
<td>MH 32220; $153,033</td>
<td></td>
<td>Spohn, Herbert E.</td>
<td>Menninger Foundation Topeka, KS</td>
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<td>Psychotropic Drug Effects on Competency of Mentally III</td>
<td>MH 37182; $62,625</td>
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<td>Stanley, Barbara H.</td>
<td>Wayne State University Detroit, MI</td>
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<td>Genetics and Regulation of Catecholamine Enzymes</td>
<td>MH 00018; $38,880</td>
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<td>Stolk, Jon M.</td>
<td>University of Maryland Baltimore, MD</td>
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<td>Peer-Mediated Treatment of Autistic Children</td>
<td>MH 37110; $191,894</td>
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<td>Strain, Phillip S.</td>
<td>University of Pittsburgh Pittsburgh, PA</td>
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<td>Relationship Patterns Among Diagnostic Axes</td>
<td>MH 00340; $40,287</td>
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<td>Turner, William J.</td>
<td>State University of New York Stony Brook, NY</td>
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<td>The Role of Work in the Course of Psychiatric Disorder</td>
<td>MH 34365; $41,476</td>
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<td>Strauss, John S.</td>
<td>Yale University New Haven, CT</td>
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<td>Structure and Use of Semantic Knowledge in Autism</td>
<td>MH 37074; $56,375</td>
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<td>Tager-Flusberg, Helen B.</td>
<td>University of Massachusetts Boston, MA</td>
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<td>Gamma-Amino-Butyric Acid Agonist Therapy in Tardive Dyskinesia</td>
<td>MH 37073; $92,962</td>
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<td>Tamminga, Carol A.</td>
<td>University of Maryland Baltimore, MD</td>
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<td>Clinical Research Center: Study of Childhood Psychosis</td>
<td>MH 30897; $554,607</td>
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<td>Tanguay, Peter E.</td>
<td>University of California Los Angeles, CA</td>
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<td>Immunogenetics of Schizophrenia</td>
<td>MH 39036; $2,358</td>
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<td>Turner, William J.</td>
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<td>Early Onset Neuropsychiatric Disorders of Childhood</td>
<td>MH 00418; $51,192</td>
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<td>Volkmar, Fred R.</td>
<td>Yale University New Haven, CT</td>
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Major Mental Illness: Genetic-Environment Relationships  
MH 00299; $53,815  
Wagner, Diane K.  
University of Pittsburgh  
Pittsburgh, PA

Evoked Potentials in Outpatient Schizophrenics  
MH 32595; $17,494  
Wagman, Althea M.  
University of Maryland  
Baltimore, MD

Temporal Lobe Receptors in Human Disease and Memory  
MH 36563; $53,903  
Wamsley, James K.  
University of Utah  
Salt Lake City, UT

Regulation of Dopamine Neurons and Schizophrenia  
MH 00378; $36,612  
Wang, Rex Y.  
Saint Louis University  
Saint Louis, MO

Adjustment of Children of Schizophrenic Parents  
MH 21145; $223,996  
Weintraub, Sheldon  
State University of New York  
Stony Brook, NY

Quantitative Neurocytology in Neuropsychiatric Disorders  
MH 34079; $111,488  
Williams, Roger S.  
McLean Hospital  
Belmont, MA

Development of a Valid Assessment Scale for Autism  
MH 37513; $23,266  
Wolf, Enid G.  
Institute for Basic Research in Developmental Disabilities  
New York, NY

Children and Families Vulnerable to Mental Disorders  
MH 22836; $156,514  
Wynne, Lyman C.  
University of Rochester  
Rochester, NY

Psychotropic Drugs and Central Cholinergic Receptors  
MH 00095; $37,437  
Yamamura, Henry I.  
University of Arizona  
Tucson, AZ

Sleep and Rapid Eye Movement Phasic Events in the Schizophrenias  
MH 37252; $77,107  
Zarcone, Vincent P., Jr.  
Stanford University  
Stanford, CA

Chlorpromazine-Induced Immunopathy  
MH 33684; $81,770  
Zucker, Stanley  
Veterans Administration Hospital  
Northport, NY

Abnormal Estrogen Metabolism in Schizophrenia  
MH 37496; $51,138  
Zumoff, Barnett  
Beth Israel Medical Center  
New York, NY

Division of Prevention and Special Mental Health Programs

Achievement Place: Phase IV  
MH 20030; $397,691  
Braukmann, Curtis J.  
University of Kansas  
Lawrence, KS

Old Men on the Bowery in the 1980s/Adaptive Strategies  
MH 37562; $15,554  
Cohen, Carl I.  
Downstate Medical Center  
New York, NY