

## **National Institute of Mental Health - HN7**

(1) Provides leadership for a national program to increase knowledge and advance effective strategies to deal with problems and issues in the promotion of mental health and the prevention and treatment of mental illness; (2) conducts and supports research and research training on the biological, psychological, behavioral, epidemiological, legal, and social science aspects of mental health and illness; (3) conducts and supports mental health services research concerned with the impact of the organization, financing, and management of health services on the quality, cost, access to, and outcome of care; (4) provides assistance to, and encourages other Federal agencies and national, foreign, State, and local organizations, hospitals, professional associations, and volunteer groups to facilitate and extend programs to promote mental health and prevent mental illness; (5) collects, analyzes, and disseminates scientific findings and data on the incidence, prevalence, and resources for the treatment of mental illness; and (6) conducts educational activities, including the collection and dissemination of educational materials concerned with mental health issues, for health professionals and the lay public.

## **Office of the Director - HN71**

(1) Provides leadership in the planning, development, and management of Institute goals, priorities, policies, and programs, including equal employment opportunity, and is the focal point for the Department's efforts in fields related to mental health; (2) oversees and promotes (a) research, training, and other activities designed to more effectively diagnose, treat, and prevent the spread of HIV infection; (b) research on conditions specific to the mental health of rural area residents; and (c) research concerned with special populations, including both women and minorities; (3) provides leadership in the areas of prevention, science education, and technology/knowledge transfer; (4) collaborates with SAMHSA on service research issues as well as on other programmatic issues; and (5) conducts and coordinates interagency, intergovernmental, and international activities.

## **Office of Rural Mental Health Research - HN714**

(1) Directs, plans, coordinates, and supports research activities and information dissemination on conditions unique to those living in rural areas, including research on the delivery of mental health services in such areas; and (2) coordinates related departmental research activities and related activities of public and nonprofit entities.

## **Office for Disparities Research and Workforce Diversity -HN715**

(1) Identify trends and gaps in the areas of mental health disparities, women's mental health, sexual and gender minority (SGM) populations, and mental health in underserved communities to guide priority-setting for research funding. (2) Coordinate activities within NIMH and across NIH that are relevant to research on mental health disparities and women's mental health. (3) Promote strategies to reduce mental health disparities and increase attention to women's mental health. (4) Serve as the liaison to federal government and external stakeholders on research issues relevant to mental health disparities, minority populations, women's mental health, and the mental health of SGM populations. (5) Support the development and maintenance of a diverse, multidisciplinary mental health research workforce in the United States through mechanisms that meet the training needs of under-represented groups.

## **Office on AIDS - HN716**

(1) Directs, consults and advises on the development of research policy designed to promote a better understanding of the biological and behavioral cause of HIV (AIDS virus) infection; (2) analyzes and evaluates National needs and research opportunities to identify areas warranting either increased or decreased program emphasis; and (3) consults and cooperates with voluntary and professional health organizations and with other NIH components and Federal agencies to identify and meet AIDS-related needs.

## **Office of Resource Management - HN719**

Leads the NIMH-wide business management and improvement efforts: (1) program planning, budget and financial management; (2) acquisition management; (3) ethics; (4) information resources management; (5) management policy and procedure development, interpretation, and implementation; (6) the provision of general administrative services; (7) personnel performance management/human resources operations; and (8) maintains the NIH-wide contract for professional services.

## **Planning and Financial Management Branch - HN7192**

(1) Manages, plans and directs all aspects of the financial management activities of the Institute and its programs, including budget formulation, presentation, submission, explanation and defense, and execution; (2) serves as the principal advisor to Institute senior management on the management of all financial and personnel resources of the Institute, and serves as the primary contact with NIH, DHHS, and OMB for financial management activities; (3) provides financial advice and information on all aspects of the budget process to the Institute Director and others appearing before committees or examiners, participates in budget hearings, and coordinates the preparation of responses to questions from the Congress and others concerning the financial management of the Institute; (4) establishes standards and requirements for all Institute financial data bases that report financial information, ensuring compatibility with NIH and Departmental systems, and provides reliable accounting and financial management and personnel resource utilization data; (5) prepares and presents financial reports, special trend and projection analyses, historical data, and fiscal models to inform funding and policy decisions and communicate to Institute management, staff, and/or advisory groups; NIH; and the general public; (6) manages and provides guidance regarding supplemental Institute-wide non-appropriated funds; and (7) facilitates deployment at NIMH of new business systems for all aspects of finance and budgeting.

## **Information Resource and Technology Management Branch - HN7194**

Serves as the Institute focal point for all information resource and technology related activities, including oversight and management of IT infrastructure; software application development and support; end user computing support and management; technology consulting and recommendation; IT strategic planning; data and database management; IT security and compliance; IT hardware and software acquisition support; and IC representation at NIH IT planning and management committees and groups.



## **Extramural Administrative Services Branch - HN7197**

(1) Provides advice and/or recommendations on administrative policies to the Institute Director, Deputy Director, and Executive Officer, as well as to Division Directors, Office Directors, and Administrative Officers; (2) plans, directs, and coordinates oversight of administrative services in the extramural side of the Institute; (3) administers the Institute's policies and procedures on time and attendance; (4) administers and coordinates acquisition management functions for the extramural programs of the Institute, including coordination and oversight of the Institute-wide purchase card program; (5) provides overall management support services, including HR, budget and general administrative services to the Office of the Director and associated staff offices; (6) provides emergency evacuation management for all Institute occupants of the Neuroscience Center facility and performs IC specific facility and space management functions for Institute staff; (7) coordinates and manages the Institute's special recognition programs including the NIH Director's Award and NIMH Director's Award nominations and administers the Institute's policy on awards management; and (8) advises the extramural side of the Institute on policy and procedures relating to travel, including coordination and oversight of the travel card program.

## **Management Analysis and Services Branch - HN7198**

(1) Provides advice and/or recommendations to the Director, Deputy Director, Executive Officer, and Division and Office Directors on management and administrative policies for the Institute; (2) prepares staff papers and reports on management and administrative issues at the request of Institute staff and in response to requirements from NIH and DHHS; (3) analyzes effects of changes in management and administrative policies and procedures by organizational levels above the NIMH and advises the Executive Officer of these effects; (4) coordinates the Institute's Internal Management Control and Assessment Program; (5) designs, develops, and performs management studies, analyses, surveys, reports, and related activities to improve management efficiencies, resource allocations, and policy compliance; (6) plans, directs, and coordinates administrative initiatives, serving as "change agent" to facilitate changes affecting the Institute, to include identifying, developing and coordinating transition actions with respect to initiatives such as A-76, ARAC, and NBS; (7) serves as liaison for the Institute with respect to investigational reviews (e.g., GAO, OIG, OMA) and a variety of other issues including HR, EEO, workforce diversity, and Quality of Work life; (8) coordinates, analyzes, and provides advice on all organization change proposals for the Institute; (9) administers the Institute's policies and procedures for Privacy Act; (10) maintains management issuance and delegation of authority systems; and (11) facilitates recruiting and retention programs (e.g., Telework and AWS).

## **Ethics Branch - HN7199**

(1) Administers a comprehensive NIMH ethics program that reflects statutory responsibilities and integrity in service to the public; 2) develops and recommends policies and procedures related to employee standards of conduct, financial interests and disclosure, outside activities, gifts administration, official duty activities, sponsored travel, and procurement integrity; (3) administers the annual public and confidential financial disclosure process including reviewing and certifying financial disclosure reports and reports of holdings in substantially affected organizations, and develops new employee ethics agreements; (4) reviews and approves requests for outside activities, official duty requests, and sponsored travel for conformance with regulations and policies; (5) provides advice and assistance to employees regarding the application of the ethics laws, regulations, and policies; (6) develops and provides NIMH ethics training (7) provides liaison to the DHHS Office of the General Counsel, the Office of Government Ethics, the NIH Ethics Office, other agencies, and outside organizations as needed; (8) provides advice to the Office of the Director regarding conflict of interest of individuals involved in the conduct of biomedical research, including Government employees, advisory committee members, and non-Government employees such as peer reviewers, Data Safety Monitoring Board (DSMB) members, and members of working groups; (9) reviews: (a) procurements over one million dollars involving justification of other than full and open competition; (b) gifts acceptance under NIMH statutory authorities; (c) memoranda of understanding of public private partnership proposals and co-sponsorships with non-federal entities; and (d) conflicts concerning prior employment ties to academic institutions and private entities; (10) identifies management issues requiring action by the Office of General Counsel such as copyright, intellectual property, contract, or personnel authorities; and (11) review clinical protocols, conducts conflict of interest (COI) analysis to confirm no COI exists between investigators' official duties on the protocol and their personal or imputed financial interests

## **Office of Intramural Research Administration - HN719A**

(1) Oversees all administrative and management operations of the Division of Intramural Research Programs, including contracts, budget, facility and space management, renovations, employee relations, and administrative services. (2) Provides advice and/or recommendations on administrative policies to the NIMH Scientific Director, Clinical Director, Deputy Scientific Director, and Executive Officer.

## **Intramural Administrative Services Branch - HN719A2**

(1) Provides a variety of administrative services to all components of the Division of Intramural Research Programs, in support of the research of the laboratories, branches and sections; and (2) provides program management including general administrative services, purchasing, travel, property, ethics, timekeeping, staffing, and fiscal monitoring.

### **Intramural Administrative Oversight Branch - HN719A3**

(1) Provides a variety of administrative oversight and management services to all components of the Division of Intramural Research Programs, in support of the research of the laboratories, branches, and sections; and (2) provides program analyses in the areas of workforce development, property management, facilities and space management, and management studies.

## **Office of Science Policy, Planning and Communications - HN71B**

(1) Plans and directs a comprehensive program of strategic and program planning regarding science policy research, science program and related policy evaluation, research training and coordination, and special science programs; (2) oversees a comprehensive plan and execution of the Institute's communication efforts including information dissemination, media relations activities, and internal communications; (3) plans and directs a program of science education activities concerned with informing the scientific community and public about mental health issues; (4) plans and directs scientific disease coding, portfolio analysis, and program evaluations for developing and accessing NIMH strategic plans and portfolio management; and (5) oversees FOIA, correspondence control, and clearance services for the Institute; (6) oversees the institutes's public liaison and outreach activities, including requesting and receipt of public input related to the institutes's activities; (7) plans, coordinates and promotes Institute interactions with patient advocacy, professional, scientific and community based organizations with specific interests in the mission and/or programs of the NIMH.

## **Reports and Analysis Branch - HN71B2**

(1) Develops, coordinates, oversees, and performs scientific disease coding for the institute; (2) generates reports that use scientific disease coding and integrates this information with budget and/or other award information to respond to Congressional, public, and NIH requests; and (3) independently and in collaboration with other offices conducts analyses and generates reports and graphics regarding vital statistics about the Institute and its award portfolio for internal management, official reports, and presentation.



### **Science Policy and Evaluation Branch - HN71B3**

(1) Develops, coordinates, oversees, and prepares formal reports on NIMH contributions to all GPRA/PART related activities; (2) coordinates and conducts scientific portfolio planning and evaluation; (3) oversees and coordinates NIMH strategic planning, development, and dissemination of science policy; (4) oversees, coordinates, and prepares NIMH contributions to NIH reports, Congressional justifications, and related reports involving institute-wide issues relevant to science and science policy; (5) develops, coordinates, oversees, and prepares NIMH contributions to scientific program evaluations; and (6) coordinates and monitors Institute FOIA activities, correspondence control, and clearance services.

## **Science Writing, Press, and Dissemination Branch - HN71B5**

(1) Develops, coordinates, oversees, and prepares scientific and other information for dissemination to the external and internal NIMH scientific community, the media, and the general public; (2) develops and executes strategies to stimulate media interest in NIMH research programs and related activities; (3) prepares written documents for the Director, NIMH, used in publications, press briefings, and testimony; (4) develops, coordinates, and manages processes and systems for updating and disseminating Institute reports, publications, and other materials for public and scientific communities; (5) develops, coordinates, and manages content and systems for responding to Institute public inquiries; (6) plans, develops, and executes analyses regarding types of inquiries to inform dissemination strategies and measure effectiveness of dissemination strategies; and (7) coordinates and manages the NIMH exhibit process at scientific, public, and other venues.

## **Electronic Communications Branch - HN71B6**

(1) Develops, coordinates, and oversees the design, application, and management of electronic communication systems both for the external communities and within NIMH; (2) develops and executes business practices to insure that timely and accurate information is posted on both the NIMH inter and intra net; and (3) maintains state of the art knowledge about available electronic communications, serving as a resource within NIMH.

## **Office of Autism Research Coordination - HN71G**

(1) Coordinates Autism Spectrum Disorder (ASD) research activities, programs, and policies within the DHHS, several non-profit groups, and the public; (2) develops a national strategic plan for ASD research and updates the strategic plan annually, which includes coordination with several non-profit groups and the public; (3) determines policies, goals, and courses of action to commit resources, initiate projects, and coordinate programs in alignment with the strategic plan; (4) develops and annually updates a summary of advances in ASD research related to causes, prevention, treatment, early screening, diagnosis, access to services, and support for individuals with ASD; (5) monitors Federal ASD activities, and provides information and recommendations on ASD-related programs; (6) enhances information and sharing by facilitating the efficient and effective exchange of information on ASD; (7) develops and implements the National Database for Autism Research (NDAR); and (8) establishes and administers the Interagency Autism Coordinating Committee (IACC) to coordinate all efforts with the DHHS concerning ASD.

## **Office of Technology Development and Coordination - HN71H**

(1) Oversees and coordinates all NIMH efforts related to research and development of technologies, scientific informatics, and repositories to ensure a coherent strategic approach to the research being supported; (2) develops and directs initiatives to advance technology development, scientific informatics, and repositories in the service of NIMH needs; (3) serves as the main NIMH point of contact and representative to all trans-NIH committees and groups dealing with technology development, bioinformatics or repositories; (4) oversees and coordinates the SBIR/STTR efforts of all NIMH Extramural Divisions; (5) directs, develops and implements the National Database on Autism Research (NDAR); and (6) provides direction to DNBBS technology research and development programs.

## **Office of Genomics Research Coordination - HN71J**

(1) Coordinates and facilitates the integration of genomics into all areas of basic, translational, and clinical research in accordance with the NIMH Strategic Plan; (2) consults with and advises NIMH Extramural and Intramural Programs on genomics related research activities; (3) develops, leads, and promotes NIMH genomic resources and consortia in genomics; (4) develops and promotes the NIMH perspective on genomics and personalized medicine; and (5) represents NIMH on all NIH-wide research and policy initiatives in genomics.

## **Office of Clinical Research - HN71L**

(1) Directs, coordinates and oversees NIMH-funded clinical research efforts and provides strategic guidance and recommendations on initiatives in clinical research; (2) advises the Director, NIMH, on the range of clinical research conducted and sponsored by NIMH relevant to the mission of the Institute; (3) monitors intramural clinical trials and protocols to ensure compliance with federal regulations; (4) provides clinical trial consultations to intramural staff concerning protection of human subjects and scientific merit; (5) serves as a liaison with NIH Institutes/Centers and other federal agencies; and (6) provides information and education related to clinical trial oversight.

## **Office of the Director - HN71L1**

(1) Directs, coordinates and oversees NIMH-funded clinical research efforts and provides strategic guidance and recommendations on initiatives in clinical research; (2) advises the Director, NIMH, on the range of clinical research conducted and sponsored by NIMH relevant to the mission of the Institute; (3) monitors intramural clinical trials and protocols to ensure compliance with federal regulations; (4) provides clinical trial consultations to intramural staff concerning protection of human subjects and scientific merit; (5) serves as a liaison with NIH Institutes/Centers and other federal agencies; and (6) provides information and education related to clinical trial oversight.



## **Human Research Protection Branch - HN71L2**

(1) Develops, implements and evaluates policies and practices related to the conduct of human subjects research within the NIMH; (2) maintains regulatory surveillance of NIMH-supported clinical trials to ensure compliance with federal regulations; (3) ensures that all federal and NIH human subject protection requirements are fulfilled for intramural clinical research; and (4) serves as the central coordination point for the areas of human subject protection, data and safety monitoring, operations and biostatistics, recruitment and compliance, data sharing (in consultation and support of the Clinical Trials Operations and Biostatistics Branch- HN71L3) and certificates of confidentiality.

### **Clinical Trials Operations Branch - HN71L3**

(1) Provides leadership in the planning, management, and operational oversight of NIMH-funded clinical trials; (2) serves as the liaison to the NIMH Data and Safety Monitoring Board; (3) provides educational support and training to extramural study teams and conducts routine and for cause quality assurance and monitoring visits for NIMH-funded clinical studies; and (4) provides leadership in the development and dissemination of innovative methodologies to improve the efficiency of clinical trials.

## **Division of Extramural Activities - HN75**

(1) Provides leadership and advice in developing, implementing, and coordinating extramural programs and policies; (2) represents the Institute on extramural program and policy issues within the Department and with outside organizations; (3) provides scientific and technical peer and objective review of applications for grants, cooperative agreements, and contracts; (4) oversees Institute grants management activities; (5) provides information and guidelines for grant applications; and (6) oversees National Advisory Mental Health Council activities and provides committee management services.

## **Extramural Review Branch - HN755**

(1) Administers the initial review groups (IRGS) which provide scientific and technical review of research development proposals including research, fellowship, center and cooperative agreement applications, and concept review for research development (R&D) contracts in neuroscience and behavioral science and in clinical, epidemiological, and services research; (2) provides scientific and technical peer review for special research and training projects, including demonstration and educational projects; (3) interprets IRG recommendations to the National Advisory Mental Health Council; (4) provides concept review of non-R&D contracts, and peer and objective review of contract proposals; and (5) monitors the review process to ensure quality and conformance to policy.

## **Grants Management Branch - HN756**

(1) Develops and implements Institute policies and procedures and performs the business management activities for the Institute's grants and cooperative agreements; (2) interprets higher-level policies and procedures, advising Institute staff of effect and implementation; (3) provides grant and cooperative agreement services to the Institute; (4) administers grants management aspects for the National Research Service Awards Program; and (5) responds to Freedom of Information and Privacy Act requests on financial assistance projects.

## **Extramural Policy Branch – HN757**

(1) Provides leadership and advice at an Institute, NIH, and agency level in developing, implementing, and coordinating extramural programs and policies, including information and guidelines for funding opportunity announcements, cooperative agreements, grant applications, and awards; (2) coordinates and oversees all activities associated with the National Advisory Mental Health Council (NAMHC) activities; and committee management services for the Federal Advisory Committee Act.

## **Division of Intramural Research Programs - HN76**

(1) Plans and conducts basic, clinical, and translational research to advance understanding of the diagnosis, causes, treatment, and prevention of mental disorders through the study of brain function and behavior; (2) conducts state-of-the-art research that, in part, complements extramural research activities and exploits the special resources of the National Institutes of Health; (3) provides an environment conducive to the training and development of clinical and basic scientists; (4) fosters standards of excellence in the ethical treatment and the provision of clinical care to research subjects; (5) serve as a resource to the NIMH in responding to requests made by the Administration, members of Congress, and citizens' groups for information regarding mental disorders; and (6) analyzes and evaluates national needs and research opportunities and provides advice to the Institute Director on matters of scientific interest.

**Office of the Director - HN761**

(1) Provides scientific, program, and administrative leadership for the Division of Intramural Research Programs; (2) promotes an environment conducive to productive research; and (3) coordinates activities, establishes priorities, and analyzes and evaluates progress.



**Office of Fellowship Training - HN7612**

Provides oversight and development of Intramural Research Program's integrated multi-disciplinary fellowship training program, and provides administrative support and resources for all training-related activities.

## **Office of the Clinical Director - HN7613**

Provides oversight and management of the clinical care and clinical research conducted within the Intramural Research Program in support of clinical protocols and the review process; management of the clinical Centralized Office for Recruitment and Evaluation (CORE) program, which is responsible for patient recruitment, evaluation, triage, and capacity assessment; and oversight and management of a variety of clinical services, e.g., the psychiatric consultation-liaison service, outpatient clinics, clinical fellow recruitment, education and training, comprehensive quality assurance, bioethical education and consultation biostatistical support, and medical credentialing.

**Office of Science Management - HN7616**

Manages the DIRP scientific review process for labs/branches/sections/units, core facilities, and clinical protocols. Also provides programmatic support through space planning, renovations, communications, and technology transfer.

## **Section on Pharmacology - HN76-4**

Plans, develops, and carries out research on: (1) the mechanism of action of drugs of therapeutic use in neuropsychiatry; (2) the central regulation of various autonomic functions; and (3) the development of quantitative methods for basic and clinical use.

## **Section on Neuroendocrine Immunology and Behavior - HN76-9**

Plans and conducts research on the molecular, neurochemical, neuroanatomic and genetic basis for central nervous system-immune system interactions, and to define the functional significance of pathologic and pharmacological interruptions of these interactions, particularly as they relate to inflammatory and behavioral responses to stress.

**Section on Molecular Neurobiology - HN76-B**

Plans and conducts research in molecular neurobiology which is relevant to the elucidation of problems in clinical and behavioral pharmacology.

## **Section on Fundamental Neuroscience - HN76-C**

Plans and conducts research on the biological function on neurotransmitters, neuromodulators, and their receptors.

## **Section on Neuro-adaptation and Protein Metabolism - HN76-D**

Plans and conducts research on the biochemical underpinnings of long-term adaptive changes in the nervous system in animals and in humans.



## **Section on Instrumentation - HN76-G**

Supports the DIRP intramural scientists by designing and fabricating custom electronic electro mechanical and mechanical devices, instruments and instrumentation systems and by providing advice and consultation in biomedical engineering and instrumentation techniques and developments.

## **Section on Neurobiology of Fear and Anxiety - HN76-H**

Plans and conducts research on the neurocognitive mechanisms of fear and anxiety using the tools of cognitive and affective neuroscience, including psychophysiology and neuroimaging techniques, to advance knowledge of the development, maintenance, and treatment of anxiety disorders.

## **Section on Affective Cognitive Neuroscience - HN76-J**

- (1) Plans and conducts research to identify the neuro-computational mechanisms that underlie affect and particularly how these may become differentially disrupted in different forms of Conduct Disorder; and
- (2) uses neuroimaging and pharmacological techniques to examine the development of neuro-cognitive systems mediating decision making and emotional responding in both healthy participants and patients with Conduct Disorder.

## **Section on Behavioral Neuroscience - HN76-L**

(1) Plans and conducts research to study the link between functional anatomy and cognition; (2) explores the behavioral consequences of anatomical, neurochemical and genetic manipulations to large-scale circuits associated with complex cognitive functions.

## **Section on Light and Circadian Rhythms - HN76-M**

The primary purpose and role of the Section on Light and Circadian Rhythms (SLCR) is to understand how light, the circadian system and sleep interact to influence the physiological outcomes in animals including mood and learning and memory.

## **Veterinary Medicine and Resources Branch - HN76B**

(1) Provides advice and assistance on all aspects of animal health, medical care, testing, and surgical procedures; (2) manages a central primate holding and testing facility; (3) provides laboratory animal care; and (4) assures compliance with the requirements of the American Association for the Accreditation of Laboratory Animal Care.

## **Child Psychiatry Branch - HN76C**

Plans and conducts research on the biological aspects of childhood mental illness.

## **Section on Childhood Neuropsychiatric Disorders - HN76C4**

Plans and conducts both basic and clinical research on biological and psychological processes in these illnesses.



## **Section on Developmental Brain Imaging - HN76C5**

Plans and conducts research by combining neuroimaging, genetics, and psychological assessments to explore brain development in health and illness.

## **Clinical and Translational Neuroscience Branch - HN76D**

CTNB's mission is (1) to generate and test hypotheses about mechanisms of brain dysfunction that are relevant to serious neuropsychiatric illnesses, and (2) to provide information to guide translational investigations and research efforts aimed at improving treatment approaches.

## **Psychosis and Cognitive Studies Section - HN76D2**

Integrating multidisciplinary approaches, PCSS's mission is (1) to understand the genesis of cognitive and other impairments in schizophrenia and related psychotic disorders in the service of searching for new treatments. PCSS seeks to more clearly define the neurobiology of schizophrenia at the systems level, characterizing abnormalities in implicated neural circuits serving cognitive functions disrupted in schizophrenia. PCSS studies extensively characterized patients and family members to discover genetic association with measures of brain development and function as a basis for further characterization of molecular pathways and further studies the interaction of these variables with environmental factors.

## **Section on Integrative Neuroimaging - HN76D4**

SIN's mission is (1) to use multimodal neuroimaging to define and characterize neurobiological features (brain phenotypes) of cognitive and behavioral disorders in order to understand the role of genetic, hormonal, and other molecular mechanisms and modulators in the genesis of these disorders. SIN uses Williams syndrome and schizophrenia as prototype disorders, and the longitudinal study of puberty- and hormonally-related brain and neuroendocrine measures to understand the role of this modifying system in brain development.

## **Section on Synapse Development Plasticity - HN76D5**

Conducts research on the mechanism of synapse development and synaptic plasticity In normal brains and synaptopathology of psychiatric disorders.

## **Laboratory of Neuropsychology - HN76E**

Plans and conducts research into the relation between neural structures and behavior in animals and humans.

**Section on Neurobiology of Learning and Memory - HN76E5**

Plans and conducts research on the neural substrates of perception, learning, memory, and attention.

## **Section on Neural Coding and Computation - HN76E6**

Plans and conducts research on how the structure and function of neural codes in the primate and human brain give rise to the computations underlying higher functions, such as perception, motivation and memory.



**Section on Cognitive Neuroscience - HN76E7**

Plans and conducts research on the neurobiology of cognition.

## **Section on Cognitive Neurophysiology and Imaging - HN76E8**

Plans and conducts research on neural circuits underlying sensory perception and cognition.

## **Section on Learning and Decision Making - HN76E9**

Plans and conducts experiments on the neural systems that underlie reinforcement learning.

## **Laboratory of Clinical Science - HN76J**

Plans and conducts research that links laboratory studies of transgenic mouse models with clinical neuropsychiatric disorders using gene x environment interaction strategies.

## **Section on Clinical Neuropharmacology - HN76J5**

Plans and conducts research on the psychological and biological effects, mechanisms of action and metabolism and disposition of psychoactive substances relevant to the treatment of human behavioral disorders.

## **Laboratory of Brain and Cognition - HN76K**

Plans and conducts research on the neural mechanisms mediating cognitive processes in human and nonhuman primates using a variety of techniques, including behavioral, anatomical, physiological, and brain imaging.

## **Section on Neurocircuitry - HN76K4**

Plans and conducts research designed to establish the links between neuroanatomical structure and cognitive function.

**Section on Cognitive Neuropsychology - HN76K5**

Plans and conducts research on human cognition in normal individuals and neurologic and neuropsychiatric patients using behavioral measures and functional brain imaging modalities.



## **Section on Functional Imaging Methods - HN76K6**

Plans and conducts research on the relationship between the magnitude and dynamics of fMRI signal changes and underlying neuronal activity in humans, and methods to more precisely and robustly extract relevant neuronal information using fMRI.

## **Section on Learning and Plasticity - HN76K7**

Designs and conducts research to Investigate the functional and structural properties underlying complex visual perception and how those properties change with experience.

## **Laboratory of Cellular and Molecular Regulation - HN76L**

Plans and conducts research on the anatomical, cellular, physiological, pharmacological, biochemical, and molecular bases of expression and regulation of brain functions.

**Section on Molecular Neuroscience - HN76L2**

Plans and conducts research on neural-immune interactions and brain response to viral infection at the molecular level and on biologically active peptides.

**Section on Functional Neuroanatomy - HN76L7**

Plans and conducts research on neuroanatomical and molecular bases for the brain's response to physiological, pharmacological, and immune challenges.

## **Section on Neural Gene Expression - HN76L8**

Plans and conducts research on anatomical, physiological, and molecular biological mechanisms of gene expression in the brain, especially in the hypothalamus.

## **Section on Directed Gene Transfer - HN76L9**

Plans and conducts research on the receptors of cells that are recognized by retroviruses and the coat proteins on the viruses that interact with these receptors, to better understand the entry mechanisms including those involved in the regulation of membrane proteins and membrane fusion.

## **Laboratory of Molecular Biology - HN76P**

Plans and conducts research into the molecular mechanisms underlying physiological processes.



**Section on Molecular Genetics - HN76P3**

Plans and conducts research on gene structure, function and rearrangement.

**Section on Neurobiology - HN76P5**

Plans and conducts research on the molecularbiology mechanisms mediating axonal growth and synaptic plasticity, using molluscan and mammalian model neuronal systems.

**Section on Neural Function - HN76P6**

Plans and conducts research on the genetic and cellular determinants of behavior.

**Laboratory of Systems Neuroscience - HN76R**

Plans and conducts experiments on brain function in relation to behavior.

**Section on Neurophysiology - HN76R2**

Plans and conducts research on brain structures underlying the selected and control of behavior.

### **Section on Neuroanatomy - HN76R3**

Plans and conducts research on neuroanatomical, biochemical and molecular basis of functional organization of neural systems, including cerebral cortex and basal ganglia, relevant to neurologic and mental disorders.

## **Section on Critical Brain Dynamics - HN76R4**

Plans and conducts research on the dynamics of neuronal interactions in relation to brain function.

**Laboratory of Neurotoxicology - HN76U**

Plans and conducts research on molecular mechanisms of neuronal dysfunction and pathology.



**Section on Analytical Biochemistry - HN76U2**

Plans and conducts research on methods of analysis relevant to brain biochemistry.

**Pediatric and Developmental Neuropsychiatry Branch - HN76X**

Plans and conducts research on the pathophysiology, phenomenology, treatment and prevention of mental illness, particularly that which begins in childhood.

## **Section on Behavioral Pediatrics - HN76X2**

Plans and conducts clinical research on childhood-onset psychiatric disorders, including obsessive compulsive disorder, as well as investigations of pediatric movement disorders and behavioral difficulties.

## **Experimental Therapeutics and Pathophysiology Branch - HN76Z01**

Plans and conducts research on the etiology, pathophysiology and treatment of major psychiatric disorders (e.g., major depressive disorder, bipolar disorder).

## **Section on Neurobiology and Treatment of Mood Disorders - HN76Z012**

Plans and conducts research to identify the etiology and pathophysiology of mood disorders (e.g., major depressive disorder, bipolar disorder), utilizing a variety of genetic, neuropharmacological, neuroimaging, and electrophysiological techniques, and will seek to identify and test novel therapeutic approaches in these disorders.

### **Molecular Imaging Branch - HN76Z03**

Plans and conducts a variety of neuroimaging techniques to explore the molecular/chemical mechanisms associated with neural function in health and disease. New imaging probes are synthesized and studied in both animals and humans. The overall goal is to further elucidate pathophysiological mechanisms associated with mental illnesses, with the expectation that such knowledge will enhance available treatments.

## **Section on PET Neuroimaging Sciences - HN76Z032**

Evaluates and uses PET tracers as molecular probes of physiology and pathophysiology in animals and humans. Probes of intracellular signal transduction and gene expression will be explored, in addition to traditional receptor targets.

### **Section on PET Radiopharmaceutical Sciences - HN76Z033**

Implements existing and develops new radioligands for PET imaging. In addition, relevant radiochemical mechanisms and novel radiolabeling techniques will be explored.



## **Section on Magnetic Resonance Spectroscopy - HN76Z035**

Develops noninvasive magnetic resonance spectroscopy and imaging methods to study neurochemistry and brain function. New magnetic resonance spectroscopy, spectroscopic imaging and water imaging methods are designed and evaluated in both animals and humans.

## **Laboratory of Molecular Pathophysiology and Experimental Therapeutics - HN76Z04**

Plans and conducts research on disease and treatment induced changes in gene and protein expression profiles which regulate neuroplasticity and cellular resilience in mood disorders. Also, investigates the putative efficacy of novel treatments and attempts to develop surrogate biomarkers for disease pathophysiology, course of illness, and treatment response.

**Section on Molecular and Cellular Neurobiology - HN76Z042**

Plans and conducts research on the role of signaling cascades regulating synaptic and structural plasticity in the etiology of severe mood disorders, and on the use of signal transduction modifiers as novel, improved therapeutics.

## **Laboratory of Behavioral Neuroscience - HN76Z05**

Plans and conducts basic and translational research using rodent models to discover the functions of genes expressed in the central nervous system in mediating normal behaviors and behavioral systems of mental illnesses.

## **Emotion and Development Branch - HN76Z06**

Plans and conducts research on the pathophysiology of anxiety, depressive, and bipolar spectrum disorders in children and adolescents. The research approach incorporates methods from cognitive and affective neuroscience, including neuroimaging and genetic techniques.

## **Section on Development and Affective Neuroscience - HN76Z062**

Plans and conducts research on identifying the neurodevelopmental factors that relate to mood and anxiety disorders that begin early in life, utilizing neuroimaging and cognitive neuroscience techniques to examine the neurocircuits mediating emotion and cognition in children and adolescents with mood and anxiety disorders.

## **Section on Mood Dysregulation and Neuroscience - HN76Z063**

Plans and directs research on the pathophysiology of pediatric bipolar disorder, severe mood dysregulation, and related disorders. The research approach incorporates methods from cognitive and affective neuroscience, including neuroimaging and genetic techniques.

**Section on Clinical and Computational Psychiatry – HN76Z064**

Conducts studies on the neurobiological factors that are involved in the pathogenesis of mood and related disorders using a variety of techniques including computational modeling and neuroimaging. Conducts treatment studies in young people including psychological, medication and device interventions.



## **Genetic Epidemiology Branch - HN76Z07**

Plans and conducts research on the methods of genetic epidemiology to inform etiology, treatment, and prevention of mood disorders and associated conditions. Research includes large scale population-based studies, studies of extended families, and prospective cohort studies of adults and children.

## **Section on Developmental Genetic Epidemiology - HN76Z072**

Plans and conducts research on the genetic epidemiology of mood and anxiety disorders; and to identify individuals at high risk for the development of these disorders with the intent of identifying endophenotypes. Section will collaborate with others in an effort to discover the genetic basis of mood and anxiety disorders.

## **Behavioral Endocrinology Branch - HN76Z08**

Plans, coordinates, and conducts research on the relevance of hormonal, metabolic, and inflammatory processes in the development and expression of normal and abnormal behavioral states.

## **Section on Behavioral Endocrinology - HN76Z082**

Plans, coordinates, and conducts research on the phenomenology, pathophysiology, and treatment of psychiatric disorders, with emphasis on the roles of sex and reproductive endocrine systems in the development and expression of normal and abnormal behavioral states.

## **Human Genetics Branch - HN76Z09**

Plans and conducts research on the genetic contributions to mental illnesses and to treatment outcomes. Research includes genetic mapping, pharmaco-genetics/genomics, and human functional genetics.

## **Section on the Genetic Basis of Mood and Anxiety Disorders - HN76Z092**

Investigates genetic variation that contributes to risk of bipolar disorder, panic disorder, and related conditions by means of genetic association, gene expression and large-scale sequencing studies, so that better methods of diagnosis and treatment can be developed.

**Section on Developmental Neurogenomics - HN76Z093**

Plans and conducts research modelling human brain development in health and in groups at high genetic risk for neurodevelopmental disorders. Clinical protocols center on genetically-defined cohorts. Research methods in typical and atypical development span behavioral, neuroimaging, genomic and bioinformatic techniques.

## **Laboratory of Molecular and Cellular Neurobiology - HN76Z10**

(1) Plans and conducts research on the cellular and molecular events that are the basis for neuronal signaling and circuit function; and (2) explores how the function of receptors, ion channels, transporters and signaling pathways can be linked to behavior, to the actions of therapeutic drugs and to the etiology and progression of psychiatric disorders.



## **Section on Molecular and Cellular Signaling - HN76Z102**

Plans and conducts research on the structure, function, pharmacology and regulation of receptors, ion channels, and transporters involved in neuronal and glial signaling.

**Division of Neuroscience and Basic Behavioral Science - HN77**

Directs, plans, and supports programs of research in the areas of basic neuroscience, genetics, drug discovery, basic behavioral science, research training, resource development, technology development, and research dissemination to further understand the etiology, treatment and prevention of brain disorders. Directs, plans, and supports biomedical research programs and public private partnerships that cut across NIH Institutes and Centers.

## **Behavioral Science and Integrative Neuroscience Research Branch - HN772**

Plans, supports, and administers innovative research, including theoretical and modeling approaches, on cognitive, affective, social, motivational, and regulatory systems and their development across the lifespan, in humans, non-human primates and other animals. Interdisciplinary research that elucidates the linkages across levels of behavioral and neural organization is especially encouraged.

## **Molecular, Cellular, and Genomic Neuroscience Research Branch - HN773**

(1) Plans, supports, and administers programs of research to elucidate the genetic, molecular, and cellular mechanisms underlying brain development, neuronal signaling, synaptic plasticity, circadian rhythmicity, and the influence of hormones and immune molecules on brain function; and (2) supports drug discovery, identification of novel drug targets, development of functional ligands, development of imaging probes as potential biomarkers, testing of models for assessing novel therapeutics, and studies of mechanisms of action of therapeutics in animals and humans.

## **Genomics Research Branch - HN778**

Plans, supports, and administers programs of research, including the identification, localization, and function of genes that produce susceptibility to mental disorders. Research projects use genetic epidemiological methods, population based sampling, longitudinal cohort and extended family study designs, and genomic approaches to identify genetic, biological and environmental risk factors and biomarkers for diagnosis, prognosis, drug efficacy and pharmacogenomics of mental disorders. Supports the creation and distribution of research resources, including the development of novel statistical and bioinformatics tools and the NIMH Human Genetics Initiative, a repository of DNA extracted from blood and immortalized cell lines and associated clinical information for use in genetic studies of mental disorders.

## **Division of Services and Intervention Research - HN78**

(1) Directs, plans, and supports programs of research, research training, research infrastructure development, and research dissemination in prevention and treatment interventions, services research, and clinical epidemiology; (2) provides biostatistical analysis and clinical trials operations expertise for research studies; (3) evaluates national mental health service needs and research partnership opportunities; and (4) supports research on health disparities.

## **Services Research and Clinical Epidemiology Branch - HN782**

Plans, supports, and administers programs of research and research infrastructure development across the life span on: (1) organization, delivery and financing of mental health services; (2) interventions to improve the quality and outcomes of care; (3) enhanced capacity for conducting services research; (4) the clinical epidemiology of mental disorders; and (5) dissemination and implementation of evidence-based interventions into service settings.

### **Treatment and Preventive Intervention Research Branch - HN783**

(1) Plans, supports, and conducts programs of research, research training, and research infrastructure development to evaluate and compare the therapeutic benefits of mental health preventive, treatment, and rehabilitative interventions alone and/or in combination, for children, adolescents, and adults; and (2) addresses the long-term effectiveness of known efficacious interventions, including their role in the prevention of relapse and recurrence of mental disorders in children, adolescents, and adults.



## **Division of AIDS Research - HN79**

Directs, plans, and supports research and research training that: (1) uses a public health model to reduce the burden of mental illness from medical co-morbidities, non-adherence to treatment, societal stigma, health disparities and unhealthy behaviors; (2) develops and disseminates behavioral interventions that prevent HIV/AIDS transmission; and (3) clarifies the pathophysiology and alleviates the neuropsychiatric consequences of HIV/AIDS infection.

## **HIV Prevention Science Branch - HN797**

(1) Plans, supports, and administers research to identify emerging populations at risk for HIV infection and potentially modifiable risk factors for HIV transmission in these populations; (2) develops, implements, and evaluates theoretically-based interventions designed to prevent HIV transmission; and (3) supports research that embraces technological and methodological innovations that enhance efficacy and cost-effectiveness of prevention interventions, particularly for those at disproportionate risk of infection and disease.

## **HIV Neuropathogenesis, Genetics, and Therapeutics Branch - HN798**

(1) Plans, supports, and administers an integrated program of studies to elucidate the pathophysiology of HIV-related neurological dysfunction; (2) discovers novel treatment approaches to mitigate neurological complications of HIV infection; and (3) develops interventions targeting the sequelae of HIV infection among people with mental illness.

## **HIV Treatment and Translational Science Branch - HN799**

(1) Plans, supports, and administers research to understand, prevent, or delay adverse health outcomes among individuals already infected with HIV; and (2) implements program initiatives including development and testing of theory-driven behavioral interventions to improve adherence to medication therapies and other treatments, reduce the risk of HIV transmission, encourage the cessation of high-risk behaviors, protect the health of infected individuals and others in their communities, and alleviate maladaptive coping and psychological distress among persons with HIV.

## **Division Translational Research - HN7C**

Directs, plans, and supports programs of research that translate knowledge from basic science to discover the etiology, pathophysiology, and trajectory of mental disorders and develop effective interventions for children and adults. Stimulates and promotes integrative, multidisciplinary research in the following areas: the phenotypic characterization and risk factors for psychiatric disorders; neurobehavioral mechanisms of psychopathology; trajectories of risk and resilience based on the interactive influences of genetics, brain development, environment, and experience; and design and testing of innovative neuromodulatory, psychosocial and pharmacological interventions.

## **Office of the Director - HN7C1**

Directs, plans, and supports programs of research and research training that translate knowledge from basic science to discover the etiology, pathophysiology, and trajectory of mental disorders, including trauma-related disorders, and develop effective interventions for children and adults. Stimulates and promotes integrative, multidisciplinary research in the following areas: the phenotypic characterization and risk factors for psychiatric disorders; neurobehavioral mechanisms of psychopathology; trajectories of risk and resilience based on the interactive influences of genetics, brain development, environment, and experience; and design and testing of innovative neuromodulatory, psychosocial and pharmacological interventions.

## **Adult Psychopathology and Psychosocial Interventions Development Branch - HN7C2**

Plans, supports, and administers programs of research that advances discoveries from basic research into improved understanding of clinical problems and the development and testing of new behavioral, cognitive, and psychosocial interventions. The branch supports research on modifiable risk and protective factors for psychopathology and on the use of modern psychometric techniques to guide refinements in the conceptualization and assessment of disorder. Emphasis is placed on studies that combine approaches from neuroscience and behavioral science to produce integrative models of risk, disorder, and recovery.

## **Adult Pathophysiology and Biological Interventions Development Branch - HN7C3**

Plans, supports and administers programs of research aimed at understanding the brain basis of mental disorders. Specifically supported are multidisciplinary studies with human and model systems on the genetic, molecular, cellular, circuit, and systems levels of brain function designed to elucidate the pathophysiology of mental disease and to translate these findings to clinical diagnosis, treatment, and prevention strategies.



## **Geriatrics and Aging Processes Research Branch - HN7C4**

Plans, supports, and administers programs of research and resource development in the etiology, pathophysiology and course of mental disorders of late life, the relationships between aging and mental disorders, the treatment and recovery of persons with mental disorders, and the prevention of these disorders and their consequences. In addition to studies focused on older adults and their particular mental health issues and needs, the branch supports neurodevelopmental investigations of potential risk and resilience factors pertinent to mental disorders and longer-range trajectories of change that may involve examining individuals during earlier phases of the life span.

## **Biomarker and Intervention Development for Childhood-Onset Mental Disorders Branch - HN7C5**

Plans, supports, and administers research programs leading to the development of novel, mechanism-based treatments, and preventive interventions for childhood-onset mental disorders. The branch supports research to develop novel cognitive, behavioral, psychosocial, pharmacological, and device-based interventions. The branch also supports the identification of reliable and valid biomarkers useful for stratification of research participants in clinical trials or for use as objective predictors or indicators of treatment response. The branch also supports research on Autism Spectrum Disorders.

## **Developmental Mechanisms and Trajectories of Psychopathology Branch - HN7C6**

Plans, supports, and administers research programs on the developmental mechanisms contributing to mental disorders and on developmental trajectories of risk and resilience. Research supported in this branch 1) identifies mechanisms responsible for mental disorders by looking across levels of analysis to specify genetic, neural, behavioral, and environmental components that interact to define etiology of childhood-onset mental disorders; and 2) identifies trajectories of mental disorders by looking across time (e.g., across developmental stages) at sequential and integrative relationships among genetic, neural, behavioral, and experiential and environmental factors leading to psychopathology, resilience or recovery.