



Pipeline	Opportunity	Description	Active Links	Contact Information
<b>Disease Target</b>	NIDA Drug Supply Program (DSP)	Program provides chemicals and research probes that are either unavailable, difficult to obtain, or very expensive to buy to researchers. Collection of early 800 items including stimulants, sedatives/hypnotics, hallucinogens, cannabinoids, phencyclidines, designer drugs, opioid agonists and antagonists, nicotine analogs, radio- and mass-labeled analogs, opioid peptides, marijuana, standardized nicotine or THC cigarettes, and standardized drug solutions and dosage forms.	<a href="http://www.drugabuse.gov/researchers/research-resources/nida-drug-supply-program">http://www.drugabuse.gov/researchers/research-resources/nida-drug-supply-program</a>	Hari Singh, PhD Phone: (301) 435-1310 Dhsingh1@nida.nih.gov
<b>Disease Target</b> <b>Target ID</b>	NIH NeuroBiobank (NBB)	Repository of human post-mortem brain tissue and related biospecimens spanning neurological, neuropsychiatric and neurodevelopmental diseases	<a href="https://neurobiobank.nih.gov/">https://neurobiobank.nih.gov/</a>	Anna Taylor, Ph.D. Phone: (301) 496-4245 taylorann@ninds.nih.gov neurobiobank@imsweb.com
<b>Disease Target</b> <b>Target ID</b>	Harvard Brain Tissue Resource Center	Repository of postmortem brain specimens from neurologically impaired individuals and controls	<a href="http://www.brainbank.mclean.org/">http://www.brainbank.mclean.org/</a>	<a href="http://www.brainbank.mclean.org/about/contact/">http://www.brainbank.mclean.org/about/contact/</a> Phone: 800-272-4622
<b>Disease Target</b> <b>Target ID</b>	Human Brain and Spinal Fluid Resource Center (HBSFRC)	Repository of pre- and post-mortem brain, spinal cord, cerebrospinal fluid, serum, blood cells and urine for research on nervous system disorders	<a href="http://brainbank.ucla.edu/">http://brainbank.ucla.edu/</a>	May Wong, Ph.D. Phone: (301) 496-1431 wongm@mail.nih.gov brainbnk@ucla.edu
<b>Disease Target</b> <b>Target ID</b>	National NeuroAIDS Tissue Consortium (NNTC)	Repository of brain, spinal cord, cerebrospinal fluid, blood, and other tissue samples from HIV-infected individuals	<a href="https://www.nntc.org/">https://www.nntc.org/</a>	May Wong, Ph.D. Phone: (301) 496-1431 wongm@mail.nih.gov
<b>Disease Target</b> <b>Target ID</b>	NICHHD Brain and Tissue Bank for Developmental Disorders	Repository of brain and other tissues for research on developmental disorders	<a href="http://medschool.umaryland.edu/btbank/">http://medschool.umaryland.edu/btbank/</a>	Phone: 1-800-847-1539; 410-706-1755 btbumab@umaryland.edu
<b>Disease Target</b> <b>Target ID</b>	NINDS National Brain and Tissue Resource for Parkinson's Disease and Related Disorders (NBTR-PD) at the Banner Sun Health Research Institute (BSHRI)	Repository of donated human post-mortem brain tissue and related biospecimens from people with Parkinson's disease (PD), Alzheimer's disease (AD) and other neurological disorders	<a href="http://www.ninds.nih.gov/research/parkinsonsweb/brain_banks/U24_BSHRI.htm">http://www.ninds.nih.gov/research/parkinsonsweb/brain_banks/U24_BSHRI.htm</a>	Thomas Beach, M.D., Ph.D. Phone: 623-832-6528; 623-832-5643 Thomas.beach@bannerhealth.com
<b>Disease Target</b> <b>Target ID</b>	Columbia University: New York Brain Bank	Repository of donated human post-mortem brain tissue from people with psychiatric and neurological disorders for research, neuropathological evaluation and diagnosis	<a href="http://www.nybb.hs.columbia.edu/">http://www.nybb.hs.columbia.edu/</a>	NYBB / Taub Institute Phone: 212-305-2299 nybb@columbia.edu

<b>Disease Target</b>	Johns Hopkins Brain Resource Center	Repository of donated postmortem human brains from people with Parkinson's disease.	<a href="http://www.nybb.hs.columbia.edu/">http://www.nybb.hs.columbia.edu/</a>	Olga Pletnikova, Ph.D. opletni1@jhmi.edu
<b>Target ID</b>				Juan Troncoso, Ph.D. troncoso@jhmi.edu
<b>Disease Target</b>	National Institute of Mental Health (NIMH) Chemical Synthesis Program	Program helps to synthesize, purify, and distribute otherwise unavailable essential compounds to stimulate basic and clinical research in psychopharmacology relevant to mental health and in areas such as the molecular pharmacology and signaling of CNS receptors, longitudinal studies to evaluate the molecular, biochemical, and behavioral actions of psychoactive compounds, and functional brain imaging in both primates and humans.	<a href="https://nimh-repository.rti.org/">https://nimh-repository.rti.org/</a>	Jamie Driscoll Phone: (301) 443-3636 jdrisco1@mail.nih.gov
<b>Target ID</b>				
<b>Tools &amp; Assay Dev.</b>				
<b>Disease Target</b>	NIA National Cell Repository for Alzheimer's Disease (NCRAD)	Banks of DNA and cell lines from families with multiple individuals affected by Alzheimer's disease or related diseases	<a href="http://ncrad.iu.edu/">http://ncrad.iu.edu/</a>	alzstudy@iupui.edu
<b>Target ID</b>				
<b>Tools &amp; Assay Dev.</b>				
<b>Disease Target</b>	NIH Repositories at Washington University, St. Louis	Banks DNA and cell lines from individuals diagnosed with substance abuse disorders or with extensive family histories of alcoholism.	<a href="https://hopecenter.wustl.edu/?page_id=1408">https://hopecenter.wustl.edu/?page_id=1408</a>	Anneliese Schaefer, JD, PhD amschaefer@wustl.edu
<b>Target ID</b>				
<b>Tools &amp; Assay Dev.</b>				
<b>Disease Target</b>	NIH Repositories at Coriell Institute	Banks cells and DNA from individuals with neurological desiaeses (Parkinson's disease, stroke, epilepsy and motor), inherited mental diseases, premature aging syndromes, and Alzheimer's disease.	<a href="https://catalog.coriell.org/">https://catalog.coriell.org/</a>	Roderick Corriveau, Ph.D. Phone: (301) 496-5680 roderick.corriveau@nih.gov customerservice@coriell.org
<b>Target ID</b>				
<b>Tools &amp; Assay Dev.</b>				
<b>Disease Target</b>	NIMH Center for Collaborative Genetic Studies on Mental Disorders	Banks of clinical data, cell lines and DNA from affected and unaffected individuals in families with Alzheimer's disease, autism, bipolar disorder, depression, schizophrenia and other disorders	<a href="https://www.nimhgenetics.org/">https://www.nimhgenetics.org/</a>	Sue Winkeler winkeles@psychiatry.wustl.edu
<b>Target ID</b>				
<b>Tools &amp; Assay Dev.</b>				
<b>Disease Target</b>	Parkinson's Disease Biomarkers Program (PDBP)	Banks of longitudinal human biospecimens(plasma, serum, DNA, RNA, and CSF) and associated data from Parkinson's and control subjects for use in Parkinson's Disease Biomarkers discovery projects.	<a href="http://pdbp.ninds.nih.gov/">http://pdbp.ninds.nih.gov/</a>	Katrina Gwinn, M.D. Phone: (301) 496-5745 gwinnk@ninds.nih.gov
<b>Target ID</b>				
<b>Tools &amp; Assay Dev.</b>				
<b>Disease Target</b>	NIH Human Embryonic Stem Cell Registry	Resource to obtain human embryonic stem cell lines that are eligible for use in NIH-supported research	<a href="http://stemcells.nih.gov/research/registry/Pages/Default.aspx">http://stemcells.nih.gov/research/registry/Pages/Default.aspx</a>	hesregistry@mail.nih.gov
<b>Target ID</b>				
<b>Tools &amp; Assay Dev.</b>				
<b>Disease Target</b>	Tulane Center for Stem Cell Research and Regenerative Medicine	Center provides well characterized human adult stem cell preparations and core facility service to academic researchers worldwide.	<a href="http://tulane.edu/som/regenmed/">http://tulane.edu/som/regenmed/</a>	Phone: (504) 988-7711 cgt@tulane.edu
<b>Target ID</b>				
<b>Tools &amp; Assay Dev.</b>				

<p><b>Disease Target</b></p> <p>Target ID</p> <p>Tools &amp; Assay Dev.</p>	National Cell Culture Center	Center provides customized, large scale, cell culture services for basic research laboratories.	<a href="http://www.nccc.com/">http://www.nccc.com/</a>	Mark Hirschel, Ph.D. Phone: 800-325-1112; 763-786-0302 info@nccc.com
<p><b>Disease Target</b></p> <p>Target ID</p> <p>Tools &amp; Assay Dev.</p>	NIA Genetics of Alzheimer's Disease Data Storage (NIAGADS)	National genetics data repository facilitates access of genotypic data to qualified investigators for the study of the genetics of late-onset Alzheimer's disease.	<a href="https://www.niagads.org/">https://www.niagads.org/</a>	215-898-9702 Support@niagads.org
<p><b>Disease Target</b></p> <p>Pre-Clinical</p>	Gene Expression Nervous System Atlas (GENSAT)	Gene expression atlas of the developing and adult central nervous system in the mouse. GENSAT also generates available CAC_EGFP reporter and BAC-Cre recombinase driver lines (cell and mouse) to serve as tools for cell-specific genetic manipulations in the nervous system.	<a href="http://www.neuroscienceblueprint.nih.gov/factSheet/GENSAT.htm">http://www.neuroscienceblueprint.nih.gov/factSheet/GENSAT.htm</a>	Laura Mamounas, Ph.D. Phone: (301) 496-5745 mamounal@ninds.nih.gov www.gensat.org
<p><b>Disease Target</b></p> <p>Pre-Clinical</p>	Mouse Genome Informatics	International database resource for the laboratory mouse, providing integrated genetic, genomic, and biological data to facilitate the study of human health and disease.	<a href="http://www.informatics.jax.org/">http://www.informatics.jax.org/</a>	<a href="http://www.informatics.jax.org/mgihome/support/mgi_inbox.shtml">http://www.informatics.jax.org/mgihome/support/mgi_inbox.shtml</a>
<p><b>Disease Target</b></p> <p>Pre-Clinical</p>	Deltagen and Lexicon Knockout Mice and Phenotypic Data	Trans-NIH mouse initiatives to access to 251 lines of knockout mice that have been extensively characterized.	<a href="http://www.nih.gov/science/models/mouse/deltagenlexicon/index.html">http://www.nih.gov/science/models/mouse/deltagenlexicon/index.html</a>	Colin Fletcher, Ph. D. Phone: (301) 451-1340 fletcher2@mail.nih.gov
<p><b>Disease Target</b></p> <p>Pre-Clinical</p>	Cre-Driver Network	Resource to access more than 100 novel Cre Driver mouse lines, available along with a recombinase-expression profile for each line. Mouse strains are suitable for tissue- and time-specific perturbation of gene function in the nervous system.	<a href="http://www.neuroscienceblueprint.nih.gov/factSheet/CreDriver.htm">http://www.neuroscienceblueprint.nih.gov/factSheet/CreDriver.htm</a>	Andrea C. Beckel-Mitchener, Ph.D. Phone: (301) 443-5288 amitchen@mail.nih.gov
<p><b>Disease Target</b></p> <p>Pre-Clinical</p>	Mutant Mouse Regional Resource Centers (MMRRCs)	Resource provides central archiving, quality control, and distribution of mouse strains and mouse embryonic stem cell lines.	<a href="https://www.mmrrc.org/">https://www.mmrrc.org/</a>	service@mmrrc.org Phone: 800-910-2291
<p><b>Disease Target</b></p> <p>Pre-Clinical</p>	NIH Deltagen and Lexicon Knockout Mice and Phenotypic Data Resource	Contract resource to access more than 250 lines of knock-out mice and associated phenotypic data from the private collections of Deltagen and Lexicon	<a href="http://www.nih.gov/science/models/mouse/deltagenlexicon/index.html">http://www.nih.gov/science/models/mouse/deltagenlexicon/index.html</a>	Colin Fletcher, Ph. D. Phone: (301) 451-1340 fletcher2@mail.nih.gov
<p><b>Disease Target</b></p> <p>Pre-Clinical</p>	The Jackson Laboratory (JAX)	Repository of mouse strains and mouse ES cell lines for research. JAX offers various mouse models of neurological diseases and spontaneous genetic mutations.	<a href="http://www.jax.org/index.html">http://www.jax.org/index.html</a>	<a href="http://www.jax.org/index.html">http://www.jax.org/index.html</a>

<p><b>Disease Target</b></p> <p><b>Pre-Clinical</b></p>	<p>NIA Aged Rodent Colonies</p>	<p>The National Institute on Aging (NIA) maintains and provides colonies of aged mice and rats for research on aging and age-related diseases. The resource also includes banks of flash-frozen tissue and tissue arrays for histological studies across the rodent life span.</p>	<p><a href="http://www.nia.nih.gov/research/dab/aged-rodent-colonies-handbook">http://www.nia.nih.gov/research/dab/aged-rodent-colonies-handbook</a></p>	<p>General questions: rodents@nia.nih.gov</p> <p>Scientific questions: Nancy L. Nadon, Ph.D. Phone: (301) 402-7744 nadonn@nia.nih.gov</p>
<p><b>Disease Target</b></p> <p><b>Pre-Clinical</b></p>	<p>NIH Knockout Mouse Project (KOMP)</p>	<p>Trans-NIH initiative to generate a comprehensive and public resource comprised of mouse embryonic stem (ES) cells containing a null mutation in every gene in the mouse genome.</p>	<p><a href="http://www.nih.gov/science/models/mouse/knockout/index.html">http://www.nih.gov/science/models/mouse/knockout/index.html</a></p>	<p>Fletcher Bonnie, Ph.D. Phone: (410) 558-8429 fletcher2@mail.nih.gov</p>
<p><b>Disease Target</b></p> <p><b>Pre-Clinical</b></p> <p><b>Clinical</b></p>	<p>National Database for Autism Research (NDAR)</p>	<p>Repository to accelerate progress in autism spectrum disorders (ASD) research through data sharing, data harmonization, and the reporting of research results. NDAR also serves as a scientific community platform and portal to multiple other research repositories, allowing for aggregation and secondary analysis of data.</p>	<p><a href="https://ndar.nih.gov/index.html">https://ndar.nih.gov/index.html</a></p>	<p>Office of the NDAR director Phone: (301) 443-3265</p>
<p><b>Disease Target</b></p> <p><b>Pre-Clinical</b></p> <p><b>Clinical</b></p>	<p>Biomedical Technology Research Resources (BTRRs)</p>	<p>BTRRs represent a critical mass of technological and intellectual resources with a strong focus on service and training for outside investigators, as well as dissemination of technologies, methods, and software to apply them to a broad range of basic, translational, and clinical research.</p>	<p><a href="http://publications.nigms.nih.gov/btrrs/searchresults.asp">http://publications.nigms.nih.gov/btrrs/searchresults.asp</a></p>	<p>Amy L. Swain, Ph.D. Phone: (301) 451-6446 SwainA@mail.nih.gov</p>
<p><b>Target ID</b></p> <p><b>Tools &amp; Assay Dev.</b></p> <p><b>HTS</b></p>	<p>Zebrafish International Resource Center (ZIRC)</p>	<p>Center provides zebrafish lines, genetic tools, antibodies to zebrafish proteins, and assistance with fish rearing.</p>	<p><a href="http://zebrafish.org/home/guide.php">http://zebrafish.org/home/guide.php</a></p>	<p>zirc@zebrafish.org</p>
<p><b>Target ID</b></p> <p><b>Tools &amp; Assay Dev.</b></p> <p><b>HTS</b></p>	<p>Flybase (supported by the National Human Genome Research Institute, NIH)</p>	<p>Comprehensive database of the Drosophila genome, with information about stock collections and fly genetic tools.</p>	<p><a href="http://flybase.org/">http://flybase.org/</a></p>	<p><a href="http://flybase.org/">http://flybase.org/</a></p>
<p><b>Target ID</b></p> <p><b>Tools &amp; Assay Dev.</b></p> <p><b>HTS</b></p>	<p>Bloomington Drosophila Stock Center (BDSC) at Indiana University</p>	<p>Center maintains and provides more than 20,000 fruit fly stocks, carrying all manner of mutations and genetic constructs.</p>	<p><a href="http://flystocks.bio.indiana.edu/">http://flystocks.bio.indiana.edu/</a></p>	<p>flystockat@signindiana.edu</p>
<p><b>Target ID</b></p> <p><b>Tools &amp; Assay Dev.</b></p> <p><b>HTS</b></p>	<p>Wormbase</p>	<p>Database and forum for information about C. elegans strains, genes, cell-level anatomy, and research methods</p>	<p><a href="http://www.wormbase.org/#01-23-6">http://www.wormbase.org/#01-23-6</a></p>	<p>help@wormbase.org</p>

Target ID Tools & Assay Dev. HTS	Caenorhabditis Genetics Center (CGC) at University of Minnesota	Center maintains and provides over 1000 strains of the nematode <i>C. elegans</i> .	<a href="http://www.cbs.umn.edu/research/resources/cgc">http://www.cbs.umn.edu/research/resources/cgc</a>	cgc@umn.edu
Tools & Assay Dev.	Non-Human Primate Brain Atlas	Online database of gene expression in the rhesus macaque brain from birth to four years old. The atlas is publicly accessible and allows users to search for gene expression data by gene, brain region, and age.	<a href="http://www.neuroscienceblueprint.nih.gov/factSheet/nhp_atlas.htm">http://www.neuroscienceblueprint.nih.gov/factSheet/nhp_atlas.htm</a>	Michelle Freund, Ph.D. Phone: (301) 443-1815 freundm@mail.nih.gov
Tools & Assay Dev.	Allen Brain Atlas	Multi-modal, multi-resolution atlas detailing gene expression across the developing and adult brain (mouse and human)	<a href="http://mouse.brain-map.org/">http://mouse.brain-map.org/</a>	
Tools & Assay Dev.	Cell Centered Database	Bank of imaging data and tools focused on the morphology of neurons and the distribution of proteins within them.	<a href="http://ccdb.ucsd.edu/CCDBWebSite/index.html">http://ccdb.ucsd.edu/CCDBWebSite/index.html</a>	Steven Peltier, Ph.D. Phone: (858) 534-3858 webmaster@ccdb.ucsd.edu
Tools & Assay Dev.	Neuroimaging Informatics Tools and Resources Clearinghouse (NITRC)	Online bank of software and other tools used for neuroimaging. Users can search for, evaluate and download software tools used to support different imaging methods, including: Functional MRI and structural MRI; Computerized tomography (CT); Positron emission tomography/single-photon emission computed tomography (PET/SPECT); Electroencephalography /magnetoencephalography (EEG/MEG); Optical imaging.	<a href="http://www.neuroscienceblueprint.nih.gov/factSheet/nitrc.htm">http://www.neuroscienceblueprint.nih.gov/factSheet/nitrc.htm</a>	Vinay Pai, Ph.D. Phone: (301) 451-4781 paiv@mail.nih.gov
Tools & Assay Dev.	NIH MRI Study of Normal Brain Development	Resource of collected MRI scans and correlated behavioral data from ~ 500 healthy, typically developing children, from newborn to late adolescence. The resulting dataset provides a platform for studying healthy brain development and serves as a reference tool for identifying deviations associated with childhood brain disorders.	<a href="http://www.neuroscienceblueprint.nih.gov/factSheet/mri.htm">http://www.neuroscienceblueprint.nih.gov/factSheet/mri.htm</a>	Judith Rumsey, Ph.D. Phone: (301) 443-9264 jrumsey@mail.nih.gov
Tools & Assay Dev.	Biomedical Informatics Research Network (BIRN)	User-driven system allows researchers to collaborate and share large quantities of data rapidly, securely and privately in a virtual environment.	<a href="http://www.birncommunity.org/">http://www.birncommunity.org/</a>	Greg Farber, Ph.D. Phone: (301) 435-0778 farberg@mail.nih.gov
Tools & Assay Dev.	The Open Microscopy Environment	Open-source software and data format standards for the storage and manipulation of biological microscopy data. Resource include: 1) Omero, client-server software for visualization, management and analysis of biological microscope images; b) Bio-Format, a Java library for reading and writing biological image files.	<a href="http://www.openmicroscopy.org/site">http://www.openmicroscopy.org/site</a>	
Tools & Assay Dev.	Neuroscience Information Framework (NIF)	Online portal and customized search engine for neuroscience data, research tools and literature. With more than 4,500 curated resources and direct access to more than 100 databases, it is the largest source of neuroscience information on the web.	<a href="http://www.neuinfo.org/">http://www.neuinfo.org/</a>	Karen Skinner, Ph.D. Phone: (301) 435-0886 kskinner@nida.nih.gov info@neuinfo.org

Tools & Assay Dev.	The National Center for Biotechnology Information (NCBI) database	Database provides access to biomedical and genomic information Web-resource including Genome Assemblies and Resources, the Mouse Transcriptome Project, the Mammalian Gene Collection, Model Organisms, Tools for Data Mining, Databases including GenBank, NIH GWAS, Single Nucleotide Polymorphism, Gene Expression Omnibus, Homologene.	<a href="http://www.ncbi.nlm.nih.gov/guide/sitemap/">http://www.ncbi.nlm.nih.gov/guide/sitemap/</a>	
Tools & Assay Dev.	The Center for Inherited Disease Research (CIDR)	High quality next generation sequencing and genotyping services to investigators working to discover genes that contribute to disease. On-site statistical geneticists provide valuable insight into analysis issues as they relate to study design, data production and quality control. In addition, CIDR provides statistical and analytical support, most predominantly in the areas of GWAS data cleaning and methods development. Completed studies encompass over 180 phenotypes across 750 projects and 800,000 samples.	<a href="http://www.cidr.jhmi.edu/">http://www.cidr.jhmi.edu/</a>	Camilla Day, Ph.D. Phone: (301) 402-8837 dayc@mail.nih.gov
Tools & Assay Dev.	National Alzheimer's Coordinating Center (NACC)	Database of standardized clinical and neuropathological data from 29 Alzheimer's Disease Centers (ADCs) nationwide	<a href="http://www.alz.washington.edu/">http://www.alz.washington.edu/</a>	NACCmail@uw.edu Phone: (206) 543-8637
Tools & Assay Dev.	NEIBank	Database of cDNAs expressed in human and animal eye sorted by organism, type of eye tissue, and disease, where applicable.	<a href="http://neibank.nei.nih.gov/index.shtml">http://neibank.nei.nih.gov/index.shtml</a>	Graeme J. Wistow, Ph.D. Phone: (301) 402-3452 graeme@helix.nih.gov
Tools & Assay Dev.	NIH Gene Collections	Web resource to support the production of full-length, open reading frame clones from human, mouse, rat, zebrafish, and Xenopus frogs	<a href="http://mgc.nci.nih.gov/">http://mgc.nci.nih.gov/</a> <a href="http://zgc.nci.nih.gov/">http://zgc.nci.nih.gov/</a> <a href="http://xgc.nci.nih.gov/">http://xgc.nci.nih.gov/</a>	Office of Cancer Genomics, NCI Phone: (301) 451-8027 ocg@mail.nih.gov blueprint@mail.nih.gov
Tools & Assay Dev.	Protein Data Bank (PDB)	Resource is powered by the Protein Data Bank archive-information about the 3D shapes of proteins, nucleic acids, and complex assemblies that helps students and researchers understand all aspects of biomedicine and agriculture, from protein synthesis to health and disease.	<a href="http://www.rcsb.org/pdb/home/home.do">http://www.rcsb.org/pdb/home/home.do</a>	deposit@deposit.rcsb.org
Tools & Assay Dev.	Internet Analysis Tools Registry	Web site provides a centrally available listing of all image analysis tools that are available to the neuroscience community in order to facilitate the development, identification, and sharing of tools that are of use to the general community.	<a href="http://www.cma.mgh.harvard.edu/iatr/">http://www.cma.mgh.harvard.edu/iatr/</a>	David Kennedy, Ph.D. dave@cma.mgh.harvard.edu
Tools & Assay Dev.	GeneNetwork	Group of linked data sets and tools used to study complex networks of genes, molecules, and higher order gene function and phenotypes in humans, mice (BXD, AXB, LXS, etc.), rats (HXB), and Drosophila.	<a href="http://www.genenetwork.org/home.html">http://www.genenetwork.org/home.html</a>	Rob Williams, Ph.D. rwilliams@uthsc.edu
Tools & Assay Dev.	National Resource for Cell Analysis and Modeling (NRCAM)	Unique computational environment for modeling and simulation of cell biology. The creation of biological or mathematical models can range from the simple, to evaluate hypotheses or to interpret experimental data, to complex multi-layered models used to probe the predicted behavior of complex, highly non-linear systems.	<a href="http://www.nrcam.uchc.edu/index.html">http://www.nrcam.uchc.edu/index.html</a>	vcell_support@uchc.edu

Tools & Assay Dev.	NIA Biological Biochemical Image Database	Searchable database of images of putative biological pathways, macromolecular structures, gene families, and cellular relationships	<a href="http://bbid.grc.nia.nih.gov/">http://bbid.grc.nia.nih.gov/</a>	
Tools & Assay Dev.	NIH Biomedical Information Science and Technology Initiative (BISTI)	NIH initiative to supports seven centers developing innovative software programs and other tools for systems biology, image processing, biophysical modeling, biomedical ontologies, information integration, and gene-phenotype and disease analysis. The BISTI Consortium develops research grants, training opportunities, and scientific symposia related to biomedical computing.	<a href="http://www.bisti.nih.gov/">http://www.bisti.nih.gov/</a>	Susan Gregurick, Ph.D. Phone: (301) 451-6446 susan.gregorick@nih.gov
Tools & Assay Dev.	NCATS Chemical Genomics Center CurveFit	Informatics tool serves as a public, stand-alone, open-source version of the Center's own curve-fitting software. This application automatically fits and classifies thousands of dose-response curves.	<a href="http://tripod.nih.gov/curvefit/">http://tripod.nih.gov/curvefit/</a>	Yuhong Wang Phone: (301) 217-5733 wangyuh@mail.nih.gov
Tools & Assay Dev.	Neuroimaging Informatics Technology Initiative (NIFTI)	Initiative supports services, training, and research to enhance the use, and speed the development of, tools for neuroimaging/neuroinformatics	<a href="http://nifti.nimh.nih.gov/">http://nifti.nimh.nih.gov/</a>	
Tools & Assay Dev.	Centers for Evaluation of Neurodevelopment Antibodies	Resource to generates low-cost monoclonal antibodies for the study of proteins found in mammalian brain	<a href="http://neuromab.ucdavis.edu/">http://neuromab.ucdavis.edu/</a>	Randall R. Steward, Ph.D. Phone: (301) 496-1917 stewartr@ninds.nih.gov
Tools & Assay Dev.	NIH Neuroscience Microarray Consortium	Resource provides gene expression profiling and SNP genotyping services on a fee-for-service basis to investigators who are engaged in neuroscience research and have active NIH funding	<a href="http://www.ninds.nih.gov/research/scientific_resource/gene_protein_expression/index.htm#microarray">http://www.ninds.nih.gov/research/scientific_resource/gene_protein_expression/index.htm#microarray</a>	Elizabeth R. Salomon Phone: (602) 343-8732 arrayconsortium@tgen.org
Tools & Assay Dev.	PSI:BiologY-Materials Repository	Database for searching and ordering plasmid and vectors generated by Protein Structure Initiative-supported scientists. Repository has nearly 90,000 PSI plasmids and 120 empty vectors available.	<a href="http://psimr.asu.edu/">http://psimr.asu.edu/</a>	Josh LaBaer, M.D., Ph.D. jlabaer@asu.edu Phone: (480) 965-2805  Mitch Magee, Ph.D. mitch.magee@asu.edu Phone: (480) 727-0857
Tools & Assay Dev.	PSI Structural Biology Knowledgebase	Web ortal to the protein structure and production resources generated by Protein Structure Initiative-supported scientists.	<a href="http://sbkb.org/">http://sbkb.org/</a>	comments@sbkb.org
Tools & Assay Dev.	NIH Mouse Transcriptome Project	Resource to map the gender-specific expression of mRNA transcripts in a variety of adult mouse tissues.	<a href="http://www.ncbi.nlm.nih.gov/genome/guide/mouse/MouseTranscriptome.html">http://www.ncbi.nlm.nih.gov/genome/guide/mouse/MouseTranscriptome.html</a>	Jonathan D. Pollock, Ph.D. Phone: (301) 435-1309 jp183r@nih.gov
Tools & Assay Dev. HTS	NIA Aged Rodent Tissue Arrays	Resource offers high-throughput analysis of tissue histology and protein expression for the biogerontology research community. The resource also provides samples from multiple tissues across the rodent life span on a single slide.	<a href="http://www.nia.nih.gov/research/dab/aged-rodent-tissue-bank-handbook/tissue-arrays">http://www.nia.nih.gov/research/dab/aged-rodent-tissue-bank-handbook/tissue-arrays</a>	Heidi Brogdon Phone: (301) 496-0181 brogdonh@nia.nih.gov rodents@nia.nih.gov

<b>Tools &amp; Assay Dev.</b> <b>HTS</b>	The Toxicology in the 21st Century (Tox21) program	Federal collaboration involves the NIH/NCATS, Environmental Protection Agency (EPA), and Food and Drug Administration (FDA). Resource to develop toxicity assessment methods and efficiently test compound toxicity using the robotic system. Proposed assays should be compatible with the high-throughput screening guidelines.	<a href="http://www.ncats.nih.gov/research/reengineering/tox21/tox21.html">http://www.ncats.nih.gov/research/reengineering/tox21/tox21.html</a>	Systems Toxicology Menghang Xia, Ph.D. mxia@mail.nih.gov  Genomic Toxicology David Gerhold, Ph.D. gerholdd@mail.nih.gov  Informatics Ruili Huang, Ph.D. huangru@mail.nih.gov
<b>Tools &amp; Assay Dev.</b> <b>HTS</b>	NCATS Pharmaceutical Collection	Comprehensive, publicly accessible collection of approved and investigational molecular entities for high-throughput screening that provides a valuable resource for both validating new models of disease and better understanding the molecular basis of disease pathology and intervention.	<a href="http://www.ncats.nih.gov/research/tools/preclinical/ncp/pharmaceutical-collection.html">http://www.ncats.nih.gov/research/tools/preclinical/ncp/pharmaceutical-collection.html</a>	Ruili Huang, Ph.D. Phone: (301) 217-5714 huangru@mail.nih.gov
<b>Tools &amp; Assay Dev.</b> <b>HTS</b> <b>Hit to Lead</b> <b>Lead optimization</b>	NIH Molecular Libraries Program	Program offers public sector biomedical researchers access to the large-scale screening capacity necessary to identify small molecules that can be optimized as chemical probes to study the functions of genes, cells, and biochemical pathways. MLP helps to develop an HTS-ready or true HTS assay, validated screening hit for development into an <i>in vivo</i> chemical probe.	<a href="http://mli.nih.gov/mli/">http://mli.nih.gov/mli/</a>	Probe Production Centers: Ingrid Y. Li, Ph.D. Phone: 301-443-1421 ili1@mail.nih.gov  Assay Solicitation: Christine Colvis, Ph.D. Phone: (301) 443-6480 ccolvis@nida.nih.gov
<b>Tools &amp; Assay Dev.</b> <b>Pre-Clinical</b>	CINAPS Compound Dossiers	Compound dossiers of potential neuroprotective agents to treat Parkinson's disease	<a href="http://www.ninds.nih.gov/research/parkinsonsweb/cinaps/Compound_dossiers.htm">http://www.ninds.nih.gov/research/parkinsonsweb/cinaps/Compound_dossiers.htm</a>	
<b>Tools &amp; Assay Dev.</b> <b>Pre-Clinical</b>	NEI Retinal Degeneration Rat Model Resource	Resource maintains and distributes rat models of the retinitis pigmentosa type of inherited retinal degeneration	<a href="http://ucsfeye.net/mlavailRDratmodels.shtml">http://ucsfeye.net/mlavailRDratmodels.shtml</a>	MATTHEW LaVAIL, Ph.D. matthew.lavail@ucsf.edu
<b>HTS</b> <b>Hit to Lead</b> <b>Lead optimization</b>	Semi-Custom Synthesis Online Request System (SCSORS)	ChemNavigator provides scientific and technical services to help your company identify, screen and procure compound samples for drug discovery research.	<a href="http://www.chemnavigator.com/cnc/aboutUs/CostOfDiscovery.asp">http://www.chemnavigator.com/cnc/aboutUs/CostOfDiscovery.asp</a>	Marc C. Nicklaus, Ph.D. Phone: (301) 846-5903 mn1@helix.nih.gov
<b>HTS</b> <b>Hit to Lead</b> <b>Lead optimization</b> <b>Pre-Clinical</b>	NIMH Psychoactive Drug Screening Program (PDSP)	Resource provides pharmacological and functional screening of novel synthetic compounds and natural products for potential use as PET ligands for functional brain imaging, research tools or probes for preclinical research, and therapeutic agents for mental disorders. Screening of novel psychoactive compounds for pharmacological and functional activity at cloned human or rodent CNS receptors, channels, and transporters.	<a href="http://pdspdb.unc.edu/pdspWeb/">http://pdspdb.unc.edu/pdspWeb/</a>	Jamie Driscoll Phone: (301) 443-5288 jdrisco1@mail.nih.gov
<b>Hit to Lead</b> <b>Lead optimization</b> <b>Pre-Clinical</b> <b>Phase I</b>	Blueprint Neurotherapeutics Network (BNP)	Resource provides non-dilutive support for small molecule drug discovery and development, from hit-to-lead chemistry through phase I clinical testing. Funding is provided for basic researchers and biopharmaceutical companies for outsource activities and access to consultants with expertise in various aspects of drug discovery and development.	<a href="http://neuroscienceblueprint.nih.gov/bpdugs/index.htm">http://neuroscienceblueprint.nih.gov/bpdugs/index.htm</a>	Amir Tamiz, Ph.D. Phone: (301) 496-1779 amir.tamiz@nih.gov



<p><b>Lead optimization</b></p> <p><b>Pre-Clinical</b></p>	NCATS Bridging Interventional Development Gaps Program (BridGs)	Program makes available, on a competitive basis, certain critical resources needed for the development of new therapeutic agents for both common and rare diseases. Successful applicants receive access to NIH contractors who conduct pre-clinical studies at no cost to the investigator. Synthesis, formulation, pharmacokinetic and toxicology services in support of investigator-held Investigational New Drug (IND) applications to the Food and Drug Administration (FDA) are available.	<a href="http://www.ncats.nih.gov/research/rare-diseases/bridgs/bridgs.html">http://www.ncats.nih.gov/research/rare-diseases/bridgs/bridgs.html</a>	bridgs@mail.nih.gov
<p><b>Lead optimization</b></p> <p><b>Pre-Clinical</b></p>	The NIDA Addiction Treatment Discovery Program (ATDP)	Program aims to discover potential pharmacological treatments for substance abuse, with an emphasis on relapse prevention, through preclinical testing and evaluation of compounds. Available screening and profiling protocols: 1) Locomotor Activity acute and timecourse tests (mice); 2) Drug Discrimination acute and timecourse tests by several routes of administration (rats and/or primates); 3) Self-Administration (rats and/or primates); 4) Stress - or Conditioned Cues, or Drug Priming-Induced Reinstatement (rats). In addition, established tests for a particular compound include in vitro receptor assays and predictive toxicology tests to predict mutagenicity.	<a href="http://www.drugabuse.gov/about-nida/organization/divisions/division-pharmacotherapies-medical-consequences-drug-abuse-dpmcda/research-programs">http://www.drugabuse.gov/about-nida/organization/divisions/division-pharmacotherapies-medical-consequences-drug-abuse-dpmcda/research-programs</a>	David White, Ph.D. Phone: (301) 443-8889 whitedav@nida.nih.gov
<p><b>Lead optimization</b></p> <p><b>Pre-Clinical</b></p> <p><b>Phase I</b></p> <p><b>Phase II</b></p>	Therapeutics for Rare and Neglected Diseases (TRND)	Program stimulates drug discovery and development research collaborations among NIH and academic scientists, nonprofit organizations, and pharmaceutical and biotechnology companies working on rare and neglected illnesses.	<a href="http://www.ncats.nih.gov/research/rare-diseases/trnd/trnd.html">http://www.ncats.nih.gov/research/rare-diseases/trnd/trnd.html</a>	trnd@mail.nih.gov Phone: 301-402-4336
<b>Pre-Clinical</b>	NINDS Anticonvulsant Screening Program (ASP)	Program supports screening compounds for anti-seizure activity in a battery of well-established rodent seizure models. The program was designed to encourage and facilitate the discovery of new therapeutic agents for epilepsy.	<a href="http://www.ninds.nih.gov/research/asp/">http://www.ninds.nih.gov/research/asp/</a>	John Kehne, Ph.D. Phone: 301-496-1779 john.kehne@nih.gov
<b>Pre-Clinical</b>	NIA Non-Human Primate Tissue Banks	Repository of frozen and fixed tissue collected from nonhuman primate species under contractual arrangement. Tissue is available to NIH-funded investigators at academic and nonprofit research institutions who are engaged in funded research on aging.	<a href="http://www.nia.nih.gov/research/nonhuman-primate-tissue-bank-handbook">http://www.nia.nih.gov/research/nonhuman-primate-tissue-bank-handbook</a>	Mahadev Murthy, Ph.D. Phone: 301-402-7749 mmurthy@nia.nih.gov
<b>Pre-Clinical</b>	Primate Resources for Researchers	Resource has more than 26,000 animals representing more than 20 species of nonhuman primates, mostly macaques	<a href="http://dpcpsi.nih.gov/orip/cm/primate_resources_researchers#centers">http://dpcpsi.nih.gov/orip/cm/primate_resources_researchers#centers</a>	
<b>Pre-Clinical</b>	NINDS Anticonvulsant Screening Program	Program facilitates the discovery of new therapeutic agents for epilepsy. Resources provide structural evaluation of submitted compounds within an internal program database (~30,000 compounds) and screens compounds for anti-seizure activity in a battery of well-established rodent seizure models.	<a href="http://www.ninds.nih.gov/research/asp/index.htm">http://www.ninds.nih.gov/research/asp/index.htm</a>	John Kehne, Ph.D. Phone: (301) 496-1779 john.kehne@nih.gov
<b>Pre-Clinical</b>	NINDS CINAPS	Contract resource for standardized animal model screening to support preclinical assessment of neuroprotective agents for Parkinson's disease.	<a href="http://www.ninds.nih.gov/research/parkinsonsweb/cinaps/">http://www.ninds.nih.gov/research/parkinsonsweb/cinaps/</a>	

<p>Pre-Clinical</p> <p>Phase I</p>	NIMH Toxicological Evaluation of Novel Ligands Program	Program accelerates the discovery, development, and application of novel ligands for PET, SPECT, and MRI imaging in humans by providing toxicology and safety assessment of promising, target-selective compounds. Program provides limited assessment of novel psychoactive agents for clinical research and as potential therapeutics.	<a href="http://www.sri.com/work/projects/toxicological-evaluation-novel-ligands-program">http://www.sri.com/work/projects/toxicological-evaluation-novel-ligands-program</a>	Jamie Driscoll Phone: (301) 443-5288 jdrisco1@mail.nih.gov
<p>Pre-Clinical</p> <p>Phase I</p> <p>Phase II</p>	NIDA Drug Supply Program	Program provides chemicals and research probes that are either unavailable, difficult to obtain, or very expensive to buy to researchers. Program also provides analytical services for the analysis of researchers experimental samples.	<a href="http://www.drugabuse.gov/researchers/research-resources/nida-drug-supply-program">http://www.drugabuse.gov/researchers/research-resources/nida-drug-supply-program</a>	Hari Singh, Ph.D. Phone: (301) 435-1310 hsingh1@nida.nih.gov
<p>Pre-Clinical</p> <p>Phase I</p> <p>Phase II</p> <p>Phase III</p> <p>Phase IV</p>	CTSA program for Translational and Clinical Research	The CTSA program is designed to address the development and implementation of national standards and best practices for the full range of translation, from basic discovery to clinical and community-engaged research. The program supports a national network of medical research institutions collaborating to transform how clinical and translational science is conducted nationwide	<a href="http://www.ncats.nih.gov/research/cts/ctsa/about/about.html">http://www.ncats.nih.gov/research/cts/ctsa/about/about.html</a>	Petra Kaufmann, M.D., M.Sc. Phone: (301) 435-0178 Petra.Kaufmann@nih.gov
<p>Phase I</p> <p>Phase II</p> <p>Phase III</p> <p>Phase IV</p>	Cocaine Clinical Trials Program (CCTP)	Program involves contract and grant mechanisms to 1) identify new compounds/medications as potential pharmacotherapies; 2) evaluate brain imaging techniques as potential adjunctive diagnostic or screening tools and as potential treatment evaluation tools; 3) design, conduct, analyze, and review clinical trials for the combined pharmacotherapy and behavioral therapy of cocaine abuse; 4) develop and evaluate new biological or surrogate measures to assess the outcomes of pharmacotherapeutic trials.	<a href="http://www.drugabuse.gov/about-nida/organization/divisions/division-pharmacotherapies-medical-consequences-drug-abuse-dpmcda/research-programs#CCTP">http://www.drugabuse.gov/about-nida/organization/divisions/division-pharmacotherapies-medical-consequences-drug-abuse-dpmcda/research-programs#CCTP</a>	Liza Gorgon, M.A. Phone: (301) 443-1138 lgorgon@nida.nih.gov
<p>Phase I</p> <p>Phase II</p> <p>Phase III</p> <p>Phase IV</p>	NIH Bench-to-Bedside Program (B2B)	Program funds research teams seeking to translate basic scientific findings into therapeutic interventions for patients. Program exemplifies the benefits associated with intramural – extramural collaborations; the extramural community gains access to the Clinical Center's unique resources, and the intramural community can pursue innovative research with extramural investigators.	<a href="http://www.cc.nih.gov/ccc/btb/awards.shtml">http://www.cc.nih.gov/ccc/btb/awards.shtml</a>	Julie Orlando, M.A. Phone: (301) 402-0102 orlandoj@cc.nih.gov BenchttoBedside@mail.nih.gov
<p>Phase I</p> <p>Phase II</p> <p>Phase III</p> <p>Phase IV</p>	Clinical Trial Regulations, Policies, and Guidance	Web-resource provides information and references to help NIH applicants and grantees to understand Clinical Trial Regulations, Policies, and Guidance.	<a href="http://www.drugabuse.gov/funding/clinical-research/regulations-policies-guidance">http://www.drugabuse.gov/funding/clinical-research/regulations-policies-guidance</a>	

Phase I	NIDA Data Harmonization Projects	NIDA's data-harmonization efforts aim to promote common measures to be used by researchers across studies within and across particular research fields. researchers can more easily compare and combine datasets to detect more subtle and complex associations among variables, thereby promoting greater collaboration, efficiency, and return on investment.	<a href="http://www.drugabuse.gov/researchers/research-resources/data-harmonization-projects">http://www.drugabuse.gov/researchers/research-resources/data-harmonization-projects</a>	
Phase II				
Phase III				
Phase IV				
Phase I	NIDA-Tobacco Regulatory Science Program (TRSP)	The NIDA TRSP office provides liaison assistance regarding the FDA Center for Tobacco Products (FDA/CTP) and NIH-TRSP program research priorities.	<a href="http://www.drugabuse.gov/national-institute-drug-abuse-nida-portion-tobacco-regulatory-science-program-trsp">http://www.drugabuse.gov/national-institute-drug-abuse-nida-portion-tobacco-regulatory-science-program-trsp</a>	Phylicia Porter, MPH Phone: (301) 435-1692 Phylicia.porter@nih.gov
Phase II				
Phase III				
Phase IV				
Phase I	NIDA Data Share	NIDA Data Share web-site disributes data from completed clinical trials to promote new research, encourage further analyses, and disseminate information to the community.	<a href="https://datashare.nida.nih.gov/">https://datashare.nida.nih.gov/</a>	<a href="https://datashare.nida.nih.gov/contact_us">https://datashare.nida.nih.gov/contact_us</a>
Phase II				
Phase III				
Phase IV				
Phase I	Aggregation clinical research regulations from around the glob (ClinRegs)	Web-resource provides an online database of country-specific clinical research regulatory information designed to enable users to explore regulations within a country and compare requirements across countries.	<a href="http://clinregs.niaid.nih.gov/index.php">http://clinregs.niaid.nih.gov/index.php</a>	
Phase II				
Phase III				
Phase IV				
Phase I	NIH Toolbox for Assessment of Neurological and Behavioral Function	Multidimensional set of brief measures assessing cognitive, emotional, motor and sensory function. These tests are intended to provide a more complete picture of neurological and behavioral health in large-scale longitudinal studies, epidemiological studies, and clinical trials; and to facilitate valid cross-study comparisons	<a href="http://www.neuroscienceblueprint.nih.gov/factSheet/toolbox.htm">http://www.neuroscienceblueprint.nih.gov/factSheet/toolbox.htm</a>	Molly V. Wagster, Ph.D. Phone: (301) 496-9350 wagster@nia.nih.gov help@assessmentcenter.net
Phase II				
Phase III				
Phase IV				
Phase I	FNIH Biomarkers Consortium	Partnership resource among the Foundation for NIH (FNIH), government agencies and the private sector to discover, develop, and qualify biological markers (biomarkers), and to support new drug development, preventive medicine, and medical diagnostics.	<a href="http://www.biomarkersconsortium.org/">http://www.biomarkersconsortium.org/</a>	Linda Brady, Ph.D. Phone: (301) 443-3563 lbrady@mail.nih.gov
Phase II				
Phase III				
Phase IV				
Phase I	NeuroNEXT: Network for Excellence in Neuroscience Clinical Trials	Unique clinical trial network open to studies of more than 400 neurological diseases. Resource provides a robust, standardized, and accessible infrastructure to facilitate rapid development and implementation of protocols in neurological disorders affecting adult and/or pediatric populations.	<a href="http://www.ninds.nih.gov/news_and_events/proceedings/20101217-NEXT.htm">http://www.ninds.nih.gov/news_and_events/proceedings/20101217-NEXT.htm</a>	Elizabeth McNeil, M.D. M.Sc. Phone: (301) 496-9135 mcneilde@ninds.nih.gov
Phase II				
Phase III				
Phase IV				

<p>Phase I</p> <p>Phase II</p> <p>Phase III</p> <p>Phase IV</p>	e-Source: Behavioral and Social Science Research	Authoritative answers to methodological questions on behavioral and social science research. With contributions from a team of international experts, e-Source provides the latest information on addressing emerging challenges in public health.	<a href="http://www.esourceresearch.org/">http://www.esourceresearch.org/</a>	
<p>Phase I</p> <p>Phase II</p> <p>Phase III</p> <p>Phase IV</p>	Pharmacogenomics. Knowledge. Implementation (PharmGKB)	Pharmacogenomics knowledge resource that encompasses clinical information including dosing guidelines and drug labels, potentially clinically actionable gene-drug associations and genotype-phenotype relationships	<a href="https://www.pharmgkb.org/">https://www.pharmgkb.org/</a>	Email: <a href="mailto:feedback@pharmgkb.org">feedback@pharmgkb.org</a> Phone: (650) 725-0659
<p>Phase I</p> <p>Phase II</p> <p>Phase III</p> <p>Phase IV</p>	Research Electronic Data Capture (REDCap)	Easy-to-use, freely available software tool for clinical study management and data capture. Web application to create standardized surveys, easily transfer data and export data into a variety of statistical programs.	<a href="http://project-redcap.org/">http://project-redcap.org/</a>	<a href="mailto:redcap@vanderbilt.edu">redcap@vanderbilt.edu</a> .
<p>Phase III</p> <p>Phase IV</p>	Substance Abuse PhenX Toolkit	Resource provides <i>standard</i> measures related to substance abuse and mental health diseases, phenotypic traits and environmental exposures. Use of PhenX measures facilitates combining data from a variety of studies, and makes it easy for investigators to expand a study design beyond the primary research focus.	<a href="https://www.phenxtoolkit.org/index.php?pageLink=about.saa">https://www.phenxtoolkit.org/index.php?pageLink=about.saa</a>	Kevin P. Conway, Ph.D. Phone: (301) 443-6504 <a href="mailto:kconway@nida.nih.gov">kconway@nida.nih.gov</a>