Contractor and Government Lab List -- Examples

NCI or FNLCR	Program, Directorate or Lab Name	Lab/Subcomponent Name	Description
FNLCR	AIDS and Cancer Virus Program (ACVP)	Biological Products Core	Provides purified preparations of various strains of retroviruses.
FNLCR	AIDS and Cancer Virus Program (ACVP)	Cellular Immunity Core	Provides comprehensive cellular immunology including flow cytometry, cell corting and cellular immune analysis.
			Provides molecular quantification and sequence analysis of HIV from clinical specimens, in particular ultrasensitive HIV plasma viral load
FNLCR	AIDS and Cancer Virus Program (ACVP)	HIV Molecular Monitoring Core	measurements and cell-associated HIV RNA and DNA quantification.
			Provides support for nonhuman primate studies, including scheduling; drug prep.; specimen handling, processing, storage and
FNLCR	AIDS and Cancer Virus Program (ACVP)	Nonhuman Primate Research Support Core (NHPRSC)	transportation.
FNLCR	AIDS and Cancer Virus Program (ACVP)	Quantitative Molecular Diagnostics Core (QMDC)	Provides quantitative molecular analyses to measure specific nucleic acids in specimens relevant to retroviology and AIDs.
			Researches better understand HIV transmission, persistence and evolution and how the pathogen evades eradication strategies.
FNLCR	AIDS and Cancer Virus Program (ACVP)	Retroviral Evolution Section (RES)	Molecular biology approaches and <i>in vivo</i> testing (non-human primates).
	AUD	P	In vivo and in vitro studies to understand the basis of lentiviral pathogenesis, particularly those aspects relevant to HIV and AIDS
FNLCR	AIDS and Cancer Virus Program (ACVP)	Retroviral Pathogenesis Section (RPS)	prevention and treatment.
FNLCR FNLCR	AIDS and Cancer Virus Program (ACVP)	Retroviral Protein Chemistry Core (RPCC) Retrovirus-Cell Interaction Section	Provides preparative and analytic protein chemistry expertise to characterization of viral proteins and host associated proteins. Studies the interactions between retroviral vectors and host cells using macaque cell systems.
FNLCK	AIDS and Cancer Virus Program (ACVP)	Retrovirus-Ceil Interaction Section	Provides tissue analysis capabilities to study retroviral pathogenesis (e.g. immunofluorescence, immunohistochemistry, in situ
FNLCR	AIDS and Cancer Virus Program (ACVP)	Tissue Analysis Core (TAC)	hybridization, quantitative image analysis, laser capture microdissection)
FNLCR	AIDS and Cancer Virus Program (ACVP)	Viral Evolution Core (VEC)	Provides expertise in specialized sequencing techniques, molecular cloning and viral evolution analyses.
FINELER	Alba and Cancer Virus Program (ACVP)	viral Evolution Core (VEC)	Frovides expertise in specialized sequencing techniques, molecular cioning and viral evolution analyses.
FNLCR	AIDS and Cancer Virus Program (ACVP)	Viral Oncology Section (VOS)	Studies the role of viruses in cancer. Approaches encompass epidemiology, molecular virology, immunology and translational studies.
· · · · · · · · · · · · · · · · · · ·			Studies AIDS infection establishment, spread and persistence, and evaluation of approaches to reduce presistent viral reservoirs. Uses
FNLCR	AIDS and Cancer Virus Program (ACVP)	Viral Persistence Section (VPS)	vivo nonhuman primate models, in vitro and ex vivo cell culture, virology, and molecular biology.
			Studies are focused on understanding the genetic basis for global health disparities in the U.S. and Africa, particularly for complex
			conditions such as chronic kidney disease and cardiovascular disease and the interaction between host genetic factors and infectious
FNLCR	Basic Science Program (BSP)	Molecular Genetic Epidemiology Section	disease. Supports CCR Basic Research Laboratory (BRL).
			Studies experimental techniques, accumulating unprecedented genome-scal experimental data, and addressing fundamental questions on
FNLCR	Basic Science Program (BSP)	Computational Structural Biology Section	cellular behavior under physiological conditions and disease. Supports CCR Laboratory of Integrative Cancer Immunology (LICI).
			This group is focused on characterizing the role of the microbiota in cancer and inflammatory processes. Supports CCR Laboratory of
FNLCR	Basic Science Program (BSP)	Microbiome and Genetics Core	Integrative Cancer Immunology (LICI).
			This CCR core's primary services include: analysis using flow cytometry (data collection, statistical reduction and presentation), cell sorting,
FNLCR	Basic Science Program (BSP)	Flow Cyotmetry Core	training, techology oversight, and consulting. Supports CCR Laboratory of Cancer Immunometabolism (LCIM).
FNLCR	Basic Science Program (BSP)	U I A-ti Iti Eti	Studies the genetic basis for resistance or susceptibility to human disease conferred by polymorphic-immune-response loci through direct testing for such effects on specific disease outcomes. Supports CCR Laboratory of Integrative Cancer Immuology (LICI).
FINECK	Basic science Program (BSP)	Human Leukocyte Antigens Immunogenetics Section	Studies are focused on the innate immune response and function and its potential application to cancer treatment. Supports CCR
FNLCR	Basic Science Program (BSP)	Molecular Immunology Section	Laboratory of Cancer Immunometabolism (LCIM).
THECK	busic science (Togram (usi)	Wolcean Illination by Section	Studies the dynamic regulation of chromatin accessibility as a key feature of cellular differentiation during embryogenesis. Supports CCR
FNLCR	Basic Science Program (BSP)	Epigentics Section	Mouse Cancer Genetics Program (MCGP).
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			Studies the molecular events that regulate hematopoietic stem cell quiescence, survival, self-renewal, and cell-fate decsions, and translate
FNLCR	Basic Science Program (BSP)	Hematopoiesis and Stem Cell Biology Section	these findings into therapies to treat hematopoietic malignancies. Supports CCR Mouse Cancer Genetics Program (MCGP).
			Studies and characterizes kidney cancer susceptibility genes through studies of families with rare, inherited renal cancer syndromes and
FNLCR	Basic Science Program (BSP)	Urologic Oncology Group	deep sequencing of sporadic histologically defined renal tumors. Supports CCR Urologic Oncology Branch.
			The Cancer Genomics Research Laboratory (CGR) investigates the contribution of germline and somatic genetic variation to cancer
			susceptibility and outcomes in support of DCEG's research. Working in concert with epidemiologists, biostatisticians and basic research
			scientists in DCEG's intramural research program, CGR provides the capacity to conduct genome-wide discovery studies and targeted
FNLCR	Clinical Research Directorate	Cancer Genomics Research Laboratory (CGR)	regional approaches to identify the heritable determinants of various forms of cancer.
			The Molecular and Digital Pathology Laboratory (MDPL) is an extension of the Cancer Genomics Research Laboratory (CGR) that integrates
			histological and molecular tissue profiling with analyses of environmental and genetic risk factors. Through molecular pathology analysis,
			researchers can examine the impact of genetic variation on the biology of gene expression and protein function at the tissue level and
FNLCR	Cancer Genomics Research Laboratory (CGR)	The Molecular and Digital Pathology Laboratory (MDPL)	provide critical insights on cancer risk and progression.

			Supports the development and characterization of high quality antibody reagents against cancer targets of high interest. Cancer relevant antibodies are collected from intramural, academic, and international scientists and characterized for specificity and reactivity. Targets
			typically are geared towards peptides and proteins, but more exotic targets such as small molecules and nucleic acids have also been
			awarded. Rigorous antibody validation is performed on these antibodies, which acts as an unbiased intramural reference laboratory to
FNLCR	Cancer Research Technology Program (CRTP)	Antibody Characterization Laboratory	validate antibody specificity and reproducibility. Antigens and antibodies are expressed, purified, and characterized using standard operating procedures, with accompanying protocols and data made available to the public.
			Provides a wide range of electron microscopy (EM) services including but not limited to legacy thin-sectioned transmission electron
FNLCR	Cancer Research Technology Program (CRTP)	Flectron Micoscopy Laboratory	microscpe virus diagnosis and ultra-structural analysis, pre-and post-embedding immunogold labeling (IEM) services, negative stain of proteins and nanoparticles and correlated light and electron microscopy analysis.
THECK	Cancer Research Technology Program (CRTP)	Electron Micoscopy Laboratory	
			This lab provides dedicated genomics technology core services, including a broad range of genomics services based on next-generation
			sequencing (NGS) and other cutting-edge genomics technology platforms. NGS-based services include single-cell variant analysis, whole- exome sequencing (in conjunction with the Sequencing Facility), targeted gene panel sequencing, CRISPR-Cas9 high-throughput screening
			and validation, retroviral integration site analysis, and ImmunoSeq T-cell clonality analysis. Other genomics technology services include
	C	Genomics Laboratory	gene expression microarray, Illumina methylation array, drug metabolizing enzymes and transporters array, OncoScan array, quantitative
FNLCR	Cancer Research Technology Program (CRTP)	Genomics Laboratory	polymerase chain reaction, droplet digital polymerase chain reaction (ddPCR), NanoString, and HTG EdgeSeq. Resource and knowledge base to facilitate regulatory review of nanotechnologies intended for cancer therapies and diagnostics.
			Characterizes the physical and chemical attributes of nanoparticles, their in vitro biological properties, and their in vivo compatibility
FNLCR	Cancer Research Technology Program (CRTP)	Nanotechnology Characterization Laboratory	through preclinical toxicology, pharmacology, and efficacy studies.
			Provides substantial optical microscopy, atomic force microscopy, sample preparation, and image analysis. Provide analysis of biological samples across multiple scales, from atoms to animals. Support a wide range of quantitative microscopy for spatial-temporal
FNLCR	Cancer Research Technology Program (CRTP)	Optical Microscopy and Analysis Laboratory	understanding of carcinogenesis at the molecular and tissue level.
			The group supports diverse projects involving global and targeted proteomics and metabolite analysis, macromolecular interactions (protein-protein, peptide-protein, and protein-DNA), and analysis of protein posttranslational modifications. Many of the proteomics
			projects involving both global protein and posttranslational modification analysis incorporate tandem mass tag labeling for higher-
FNLCR	Cancer Research Technology Program (CRTP)	Protein Characterization Laboratory	precision quantification.
			This lab carry out cloning, protein expression, and protein purification in support of government program activities. The group focused on protein production projects supporting structural biology and drug discovery projects most recently. They also provided urgent support for
FNLCR	Cancer Research Technology Program (CRTP)	Protein Expression Laboratory	COVID-19-related projects supporting structural biology and drug discovery projects most recently. They also provided digent support for
			This provides a wide range of electron microscopy (EM) services including but not limited to legacy thin-sectioned transmission electron
FNLCR	Cancer Research Technology Program (CRTP)	Crvo Electron Micoscopy Laboratory	microscpe virus diagnosis and ultra-structural analysis; pre-and post-embedding immunogold labeling (IEM) services; negative stain of proteins and nanoparticles; and correlated light and electron microscopy analysis.
FINECK	Cancer Research Technology Program (CRTP)	Cryo Electron Micoscopy Laboratory	This core provides expertise on molecular biology and advanced high-throughput sequencing support on Illumina sequencers for CCR labs
			performing their own library preparation in Bethesda. In addition, the group works closely with the Single Cell Analysis Facility team to
FNLCR	Cancer Research Technology Program (CRTP)	Genomics Laboratory - Bethesda	provide additional sequencing support. This group collaborates with labs in the area of quantitative optical microscopy for spatial–temporal understanding of cancer evolution at
			the molecular and tissue level. Technical developments achieved by OMAL make it an integrated resource for for analysis of biological
FNLCR	Cancer Research Technology Program (CRTP)	Optical Microscopy and Analysis Laboratory	samples across multiple scales, from atoms to animals.
			The primary mission of the Sequencing Facility (SF) is to utilize high-throughput next-generation sequencing technologies to enable cancer research. SF provides NCI and NIAID investigators with access to Illiumina short-read sequencing capabilities (two MiSeg sequencers, two
			NextSeq 2000 sequencers, two state-of the-art NovaSeq sequencers), along with long read sequencing platforms (two Pacific Biosciences
			Sequel II and Oxford Nanopore's GridION) and optical genomes mapping using Bionano's Saphyr system. The SF also provides 10X single
FNLCR	Cancer Research Technology Program (CRTP)	Sequencing Facility	cell technology to CCR groups based in Frederick. The primary mission of CMM is to develop and utilize new techniques and emerging technologies for high resolution 3-D
			electron microscopy in structural biology (high resolution, single particle Cryo-EM imaging) and cell biology (FIBSEM for
FNLCR	Cancer Research Technology Program (CRTP)	Center for Molecular Microscopy	volume EM imaging).
FNLCR	Cancer Research Technology Program (CRTP)	Imaging Mass Cytometry (IMC) Lab	Provides high-multiplex imaging and single-cell protein analysis Ithlibes state of the art molecular enomics, transcriptomic and methylomic technologies to characterize the molecular alterations in
FNLCR		Molecular Characterization and Clinical Assay Development	Utilizes state of the art molecular genomics, transcriptomic and methylomic technologies to characterize the molecular alterations in patients' tumors for assignment to personalized medicine clinical trials, evaluation of tumor cell polulations in response to treatment, and
	Clincial Research Directorate (CRD)		Utilizes state of the art molecular genomics, transcriptomic and methylomic technologies to characterize the molecular alterations in patients' tumors for assignment to personalized medicine clinical trials, evaluation of tumor cell polulations in response to treatment, and the characterization of patient derived models that are made available to the scientific research community.
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FNLCR	Clincial Research Directorate (CRD) Applied and Developmental Research Directorate	Molecular Characterization and Clinical Assay Development Laboratory (MoCha)	Utilizes state of the art molecular genomics, transcriptomic and methylomic technologies to characterize the molecular alterations in patients' tumors for assignment to personalized medicine clinical trials, evaluation of tumor cell polulations in response to treatment, and the characterization of patient derived models that are made available to the scientific research community. Core laboratory supporting NIAID that provides critical immunologic assays and biospecimen storage on HIV, influenza, and other disease biospecimens. The BioProcessing Lab provides project management, laboratory and trial logistical support for clinical trials and studies. This is performed
FNLCR FNLCR	Clincial Research Directorate (CRD) Applied and Developmental Research Directorate Applied and Developmental Research	Molecular Characterization and Clinical Assay Development Laboratory (MoCha) AIDS Monitoring Laboratory (AML)	Utilizes state of the art molecular genomics, transcriptomic and methylomic technologies to characterize the molecular alterations in patients' trumors for assignment to personalized medicine clinical trials, evaluation of trumor cell polulations in response to treatment, and the characterization of patient derived models that are made available to the scientific research community. Core laboratory supporting INAID that provides critical immunologic assays and biospecimens torage on HIV, influenza, and other disease biospecimens. The BioProcessing Lab provides project management, Japoratory and trial logistical support for clinical trials and studies. This is performed through standardization of processes, data management, specimen handling guidance, protocol development, specimen processing, kit
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FNLCR FNLCR FNLCR	Clinical Research Directorate (CRD) Applied and Developmental Research Directorate Applied and Developmental Research Directorate Applied and Developmental Research	Molecular Characterization and Clinical Assay Development Laboratory (MoCha) AIDS Monitoring Laboratory (AML) BioProcessing Laboratory (BPL)	Utilizes state of the art molecular genomics, transcriptomic and methylomic technologies to characterize the molecular alterations in patients' tumors for assignment to personalized medicinical trials, evaluation of tumor cal pollutions in response to treatment, and the characterization of patient derived models that are made available to the scientific research community. Core laboratory supporting NIAID that provides critical immunologic assays and biospecimen storage on HIV, influenza, and other disease biospecimens. The BioProcessing Lab provides project management, laboratory and trial logistical support for clinical trials and studies. This is performed through standardization of processes, data management, specimen handling guidance, protocol development, specimen processing, kit production, specimen triansportation, and full specimen lifecycle documentation. The primary core functions of the Repository are the receipt, tracting, monotoring, distribution, and temperature appropriate storage of biomaterials for research and clinical testing. It handles and stores a diverse range of materials and preservation formats such as serum, plasma, urine, tumor tissue and extracts, whole blood and all their derivatives and fractions, bone marrow cells, body fluids, cell lines, nucleic acids, stool specimens, paraffin blocks, pathology glass silies, environmental samples and other types of specimens The Repository has the capability and capacity to store biological materials at temperatures which include: ambient, 4°C, 2°C, 4°C, 4°C, 5°C and 196°C.
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FNLCR FNLCR FNLCR FNLCR	Clinical Research Directorate (CRD) Applied and Developmental Research Directorate Applied and Developmental Research Directorate Applied and Developmental Research Directorate Clinical Services Program	Molecular Characterization and Clinical Assay Development Laboratory (MoCha) AIDS Monitoring Laboratory (AML) BioProcessing Laboratory (BPL) NCI at Frederick Central Repository	Utilizes state of the art molecular genomics, transcriptomic and methylomic technologies to characterize the molecular alterations in patients' tumors for assignment to personalized medicine clinical trials, evaluation of tumor cal pollutions in response to treatment, and the characterization of patient derived models that are made available to the scientific research community. Core laboratory supporting NIAD that provides critical immunologic assays and biospecimen storage on HIV, influenza, and other disease biospecimens. The BioProcessing Lab provides project management, laboratory and trial logistical support for clinical trials and studies. This is performed through standardization of processes, data management, specimen handling guidance, protocol development, specimen processing, kit production, specimen transportation, and full specimen lifecycle documentation. The primary core functions of the Repository are the receipt, tracking, monitoring, distribution, and temperature appropriate storage of biomaterials for research and clinical testing. It handles and stores a diverse range of materials and preservation formats such as serum, plasma, urine, tumor tissue and extracts, whole blood and all their derivatives and fractions, bone merrow cells, body fluids, cell lines, nucleic acids, stool specimens, parafin blocks, pathology glass sildes, environmental samples and other types of specimens. The Repository has the capability and capacity to store biological materials at temperatures which include: ambient, 4°C, 2°C, 4°C, 8°C, 10°C and 10°C an
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FNLCR FNLCR FNLCR FNLCR FNLCR FNLCR	Clinical Research Directorate (CRD) Applied and Developmental Research Directorate Applied and Developmental Research Directorate Applied and Developmental Research Directorate Clinical Services Program Applied and Developmental Research Directorate Applied and Developmental Research	Molecular Characterization and Clinical Assay Development Laboratory (MoCha) AIDS Monitoring Laboratory (AML) BioProcessing Laboratory (BPL) NCI at Frederick Central Repository Support to Government Cancer Imaging Program Chemistry Laboratory	Utilizes state of the art molecular genomics, transcriptomic and methylomic technologies to characterize the molecular alterations in patients' tumors for assignment to personalized medicine clinical trials, evaluation of tumor cal pollutions in response to treatment, and the characterization of patient derived models that are made available to the scientific research community. Core laboratory supporting NIAD that provides critical immunologic assays and biospecimen storage on HIV, influenza, and other disease biospecimens. The BioProcessing Lab provides project management, laboratory and trial logistical support for clinical trials and studies. This is performed through standardization of processes, data management, specimen handling guidance, protocol development, specimen processing, kit products, on specimen transportation, and full specimen lifecycle documentation. The primary core functions of the Repository are the receipt, tracking, monitoring, distribution, and temperature appropriate storage of biomaterials for research and clinical testing. It handles and stores a diverse range of materials and preservation formats such as serum, plasma, urine, tumor tissue and extracts, whole blood and all their derivatives and fractions, bone marrow cells, body fluids, cell lines, nucleic acids, stool specimens, paraffin blocks, pathology glass slides, environmental samples and other types of specimens The Repository has the capability and capacity to store biological materials at temperatures which include: ambient, 4°C, 2°C, 4°C, 4°C, 5°C and 18°C, 3°C and
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			Provides laboratory and bioinformatic support to the National Institute of Allergy and Infectious Disease, to include investigating how
FNLCR	Applied and Developmental Research Directorate	I ab a set of law and the set of Disinformation (LID)	immunomodulating therapy influences lymphocyte turnover kinetics and cellular gene expression profiles; the operation and management) of NIAID's Affymetrix GeneChip Core Facility; and the development of bioinformatic software for the evaluation of genome-scale datasets.
FINEER	Directorate	Laboratory of immunopatriogenesis and Biomormatics (Lib,	Provide support services to the Laboratory of Immunoregulation, NIAID to include developing and performing quantitative and qualitative
	Applied and Developmental Research		polymerase chain reaction (PCR) assays. Collaborate with NIAID on research to understand the biology of T-cell activation and HIV
FNLCR	Directorate	Laboratory of Molecular Cell Biology (LMCB)	persistence.
	Applied and Developmental Research		Develop and apply leading edge technology to diagnostic pathology; provide collaborative support for clinical research
FNLCR	Directorate	Laboratory of Pathology	protocols investigating the genetics and biology of cancer and other diseases.
FNLCR	Applied and Developmental Research Directorate	Neutrophil Monitoring Laboratory (NML)	Provides support to NIAID in the immunological study of neutrophils and other white cells.
FINEER	Applied and Developmental Research	Neutropini Monitoring Eaboratory (NWL)	Provides Jaboratory support to the National Institute of Allergy and Infectious Disease, including Next-Generation Sequencing, serology
FNLCR	Directorate	Virus Isolation and Serology Laboratory (VISL)	capabilites, assay evaluation, viral load, for various viruses.
			Provision of these tasks may come in the form of consultation, collaboration or service delivery. Serve as advisers/experts to end users on
			computational approaches for data collection/dissemination, platform options, management, integration, and data analysis. Lend
			expertise in the proper statistical design of experiments, data mining and knowledge discovery techniques, and data workflow applications
			development. Formulate statistical and mathematical approaches to research questions. Provide informatics services that include data extraction, data mining, application and pipeline development. Analyze requirements, design, implement, test, deploy, customize, and
FNLCR	Bioinformatics and Data Science (BIDS)	Advanced Biomedical Computing Center	maintain informatics applications and tools to meet the needs of the researchers.
			Provides the health monitoring of all rodents at NCI-Frederick and NCI-Bethesda to ensure disease prevention, detection and eradication as
			well as diagnostic resources and necropsy services. Along with providing health monitoring of all rodents at the NCI-Frederick and NCI-
FNLCR	Laboratory Animal Sciences Program (LASP)	Animal Diagnostic Laboratory	Bethesda campus, this lab provides murine genotyping of mice to investigators and consults on genotyping protocols.
FNLCR	Laboratory Animal Sciences Program (LASP)	Animal Research Technical Support	Provides broad array of customized animal technical support for animal-based research to the scientific community in Frederick and Bethesda.
THECK	Education y reminal selections i rogitatin (Erosi)	Annua research rechnicul support	Provides services for expansion of tissue culture lines in vitro for in vivo use in animal studies. Includes cryoarchiving stock vials of the cell
FNLCR	Laboratory Animal Sciences Program (LASP)	Cell Culture Laboratory	lines for planned experiments.
			Provides support for research to develop and utilize reproducible preclinical studies in the development of effective therapeutics and
FNLCR	Laboratory Animal Sciences Program (LASP)	Center for Advanced Preclinical Research	diagnostics for human cancers.
FNLCR	Laboratory Animal Sciences Program (LASP)	Cryopreservation and Assisted Reproduction Laboratory	Offers services for banking unique mouse strains, including freezing embryos, ovaries and sperm as well as recovery of animal models from cryopreserved material.
FINEER	Laboratory Ariimar Sciences Program (LASP)	Cryopreservation and Assisted Reproduction Laboratory	Provids high-throughput technologies for genetic monitoring and management of complex genetically engineered research colonies to the
FNLCR	Laboratory Animal Sciences Program (LASP)	High-Throughput Animal Genotyping Laboratory	NCI research community.
			Provides board-certified veterinarians and veterinary associates for all veternary care including preventative, clinical and emergency
5411 GD	Laboratory Animal Sciences Program (LASP)	Laboratory Animal Medicine Program	veterinary support to Bethesda and Frederick animal programs. Provides training to reseach staff as needed. Assure compliance with federal regulations and legislation governing the ethical use of animals in biomedical research including AAALAC accedidation.
FNLCR FNLCR	Laboratory Animal Sciences Program (LASP)	ACUC Administrative Support Group	Provides administrative support to the NCI Animal Care and Use Committee (ACUC) in Bethesda and Frederick
THECK	Education y reminal selections i regioni (Erosi)	Acoc Administrative Support Group	Provides comprehensive research pathology services, including support for animal health monitoring, biomarker discovery/validation,
FNLCR	Laboratory Animal Sciences Program (LASP)	Molecular Histopathology Laboratory	drug development, genomics and proteomics.
			Receipt, quarantine and diagnoistic testing of incoming animals to protect the health of the NCI at Frederick and Bethesda animal facilities.
			Provide on-site capabilities for rederivation of incoming animals with excluded pathogens.
FNLCR	Laboratory Animal Sciences Program (LASP)	Receiving and Quarantine Program	
THECK	Laboratory Arithan Sciences Program (LASP)	neceiving and quarantine Program	Collaborates with investigators in development of mouse models, new molelcular imaging probes, early detection & therapy, in vivo
			tumor monitoring and drug efficacy studes using in vivo imaging techniques. Analyses nanoplatforms and assists in developing small
FNLCR	Laboratory Animal Sciences Program (LASP)	Small Animal Imaging Program	animal imaging stds., integrating imaging into drug development and validation of new imaging agents.
			Provides marker assisted breeding/marker assisted selection breeding to permit the production of congenic strains equivalent to 10
FNLCR	Laboratory Animal Sciences Program (LASP)	Speed Congenics Service	backcross generations in as few as five generations. Provides animal holding, husbandry, animal inventory, ordering, environmental monitoring, facility management, and maintenance of
			animals facilities for NCI Bethesda and Frederick. This includes highly specialized holding requirements such as gnotobiotics, ABSL2,
FNLCR	Laboratory Animal Sciences Program (LASP)	Animal Facility Operations/Management	chemical hazard, variable health status colonies, etc.
FNLCR	Laboratory Animal Sciences Program (LASP)	Genome Modification Core	Provides gene editing guidance, expertise, and validated reagents to CCR investigators and their labs.
FNLCR	Laboratory Animal Sciences Program (LASP)	NCI Mouse Repository	Provides support for the NCI mouse repository including cryoarchiving of deposited strains and distribution to scientific community.
FNLCR	Laboratory Animal Sciences Program (LASP)	Transgenic Mouse Model Laboratory	Provides a complete array of services aimed at successfully generating transgenic and gene-targeted mouse models The Gnotobiotics Facility (GF) is a service that supports research efforts focused on the role of microbiota in inflammation, pathogenesis,
			and antitumor response. Services offered by the GF include the rederivation, breeding, and conducting of experimental studies on germ-
FNLCR	Laboratory Animal Sciences Program (LASP)	Gnotobiotics Facility	free (axenic) and gnotobiotic (defined microbiome) mice.
FNLCR	Clinical Research Program Directorate (CRD)	Vaccine Clinical Materials Program	Produces and provides cGMP biological agents in support of NIAID's national and international clinical trials.

NCI-CCR	Basic Research Laboratory (BRL)		N/A
	Cancer and Developmental Biology Laboratory		Focuses on the analysis of embryonic development, particularly the mechanisms of growth control and the regulation of differentiation
NCI-CCR	(CDBL)		through growth factors, cytokines, and their receptors.
			Conducts research at the cellular, molecular, biochemical, and genetic level to unravel the metabolic interplay between host immune cells
	Laboratory of Cancer Immunometabolism		and developing or advancing cancers. Research in the Laboratory addresses questions relating to the metabolic and biochemical pathways
NCI-CCR	(LCIM)		of immune cells and cancers. Work encompasses immunometabolism in the cellular context.
			Conducts basic research central to the discovery of new small molecules, peptides, macromolecules, arrays and materials that impact
NCI-CCR	Chemical Biology Laboratory (CBL)		cancer and AIDS diagnostics and treatment.
	HIV Dynamics and Replication Program		Conducting and fostering multidisciplinary basic, translational, and clinical research focused on problems related to drug-resistant HIV and
NCI-CCR	(HIVDRP)		important problem in virus biology.
			Focuses on multi-disciplinary approach to study the signal transduction pathways involved in cancer as well as normal growth and
	Laboratory of Cell Development and Signaling		development, with expertise in protein kinase signaling, lipid second messengers, tumor suppressors, cell cycle regulation, and
NCI-CCR	(LCDS)		ciliogenesis.
	Laboratory of Protein Dynamics and Signaling		Investigates fundamental macromolecular interactions and cellular processes that are important for cell proliferation and differentiation,
NCI-CCR	(LPDS)		apoptosis, tumorigenesis and metastasis.
			The Center conducts research studies on the molecular structure and interactions of biological macromolecules and therapeutics pertinent
			to human health, with a particular emphasis on cancer and infection through the development of new tools for molecular characterization
			using novel biophysical and biochemical techniques including cryo-electron microscopy, nuclear magnetic resonance (NMR) spectroscopy,
	Center for Structural Biology (CSB) - (new lab		x-ray diffraction and scattering methods and apply structural and chemical insights to develop mechanistic understanding to inform
NCI-CCR	replaces MCL and SBL)		therapeutics strategies.
			Provides the focus and infrastructure that enables CCR investigators to pursue molecularly targeted drug discovery research by promoting
NO. 000	A4-1 (an interdisciplinary, collaborative, team-oriented approach to identifying and validating potential cancer-pertinent targets.
NCI-CCR	Molecular Targets Program (MTP)		Major areas of study include developmental mechanisms and pathways usurped in cancer, stem cell and cancer-propagating cell function,
			genome integrity control, tumor suppressor function, transcriptional and epigenetic regulation, hematopoiesis, neurotrophin-activated
			signaling pathways, angiogenesis and proteomic instability in cancer. In addition, the MCGP runs world-class transgenic and knockout
NCI-CCR	Mouse Cancer Genetics Program (MCGP)		mouse cores.
NCI-CCR	wouse cancer denetics Program (wicdP)		mouse tores.
			Research into the roles of RNAs and RNA-protein complexes in cancer, including focus on synthesized, processed and degraded RNA, the
			mechanisms by which noncoding RNAs and RNA-protein complexes contribute to cell function and tumor virus replication, the ways in
NCI-CCR	RNA Biology Laboratory (BRL)		which alterations in RNA metabolism contribute to human cancers, and the development of RNA-based therapies.
ner cen			Conducts a program of clinical and laboratory research designed to 1) elucidate basic mechanisms of immune response and molecular
			virology, and 2) apply these to the design and development of vaccines and immunotherapy for the prevention and treatment of cancer
NCI-CCR	Vaccine Branch		and AIDS, as well as viruses that cause cancer.
			cGMP process development, manufacturing and CMC of biologics (viruses, cytokines, monoclonal antibodies, cell-based therapies) for IND
NCI-DCTD	Clinical Research Program Directorate (CRD)	Biopharmaceutical Development Program (BDP)	filing and clinical trials.
	Applied and Developmental Research		-
NCI-DCTD	Directorate (ADRD)	Tumor Modeling and Drug Evaluation (TM&DE)	Resource and knowledge base to facilitate regulatory review of nanotechnologies intended for cancer therapies and diagnostics.
	Applied and Developmental Research		Develops and implements mechanism-based in vitro models to identify potential liabilities and investigate mechanisms of targeted organ
NCI-DCTD	Directorate (ADRD)	Investigate Toxicology Laboratory (TPL)	toxicities in support of programs within the NCI-DCTD.
			NCI-60 Cell Line Screening Laboratory as a service to the scientific community; High-throughput screening laboratory for the assessment of
	Applied and Developmental Research		investigational agents and drug combinations in cell lines, patient-derived cell lines and organoids; Molecular pharmacology and
NCI-DCTD	Directorate (ADRD)	In Vitro Evaluation and Molecular Pharmacology	mechanism of action studies.
	Applied and Developmental Research		Collection, repository and fractionation of natural products (plants, fungi, microbes) collected from across the globe for therapeutic
NCI-DCTD	Directorate (ADRD)	Natural Products Laboratory (NPL)	screening.

The laboratories/lab groups marked in orange are Government research labs in Frederick and may receive core and/or staffing support from the prime contractor. They are not contractor run.

The laboratories marked in blue have only contractor directors and staff. Administratively they are associated with FNLCR programs like CRTP, but their serivce is dedicated to NCI DCTD entities like NSDB. DTP, OCC

Please note that the CGR Lab is not prefixed DCEG-CGR, as the CGR also is fully contractor-staffed and manage