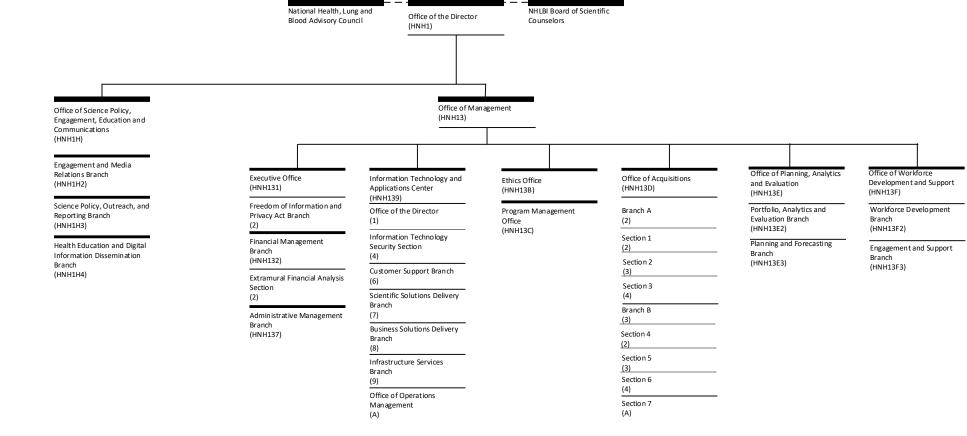
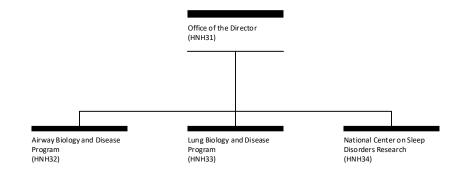


- Provides leadership for a national program in diseases of the heart, blood vessels, lungs, and blood, blood resources, and sleep disorders;
- Plans, conducts, fosters, and supports an integrated and coordinated program of basic research, clinical investigations and trials, observational studies, and demonstration and education projects relating to the causes, prevention, methods of diagnosis, and treatment (including emergency medical treatment) of the heart, blood vessel, lung, blood diseases, and sleep disorders through research performed in its own laboratories and through contracts and research grants to scientific institutions and to individuals;
- Plans and directs research in the development, trial, and evaluation of drugs and devices relating to the prevention, treatment, and rehabilitation of patients suffering from such diseases and disorders;
- Conducts studies and research into the clinical use of blood and all aspects of the management of its resources;
- Supports training and career development of personnel in fundamental sciences and clinical disciplines for participation in basic and clinical research programs relating to heart, blood vessels, blood, lung diseases, blood resources, and sleep disorders; by individual and institutional research training awards;
- Coordinates with the other research institutes and with all Federal health programs relevant activities in the above diseases and disorders, including the related causes of stroke;
- Conducts educational activities, including the collection and dissemination of educational materials on these diseases and disorders, with emphasis on the prevention thereof, for health professionals and the lay public; and
- Maintains continuing relationships with institutions and professional associations and with international, national, state, and local officials, and voluntary agencies and organizations working in these areas.

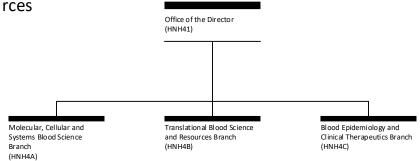
### Office of the Director

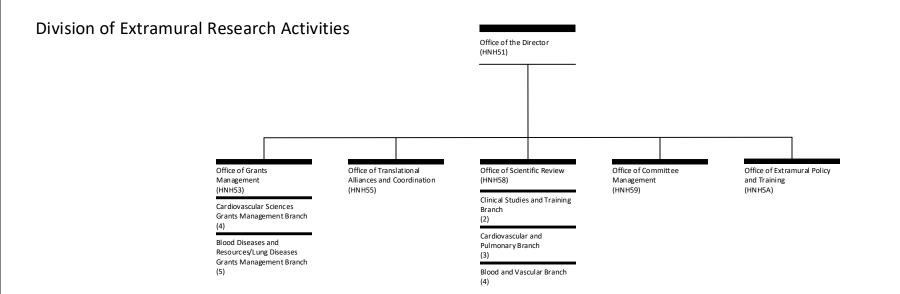


## Division of Lung Diseases



### Division of Blood Diseases and Resources





#### **Division of Intramural Research**

Office of the S	cientific		
Director			
(HNH61)			
Office of Intramural	Core Laboratories		
Vanagement	(HNH612)		
HNH611)	EM Core		
Animal Program	(A)		
HNH614)	Pathology Core (B)		
Animal Program Surgery	DNA Sequencing &		
A)	Computational Biology Core		
Animal Support Services B)	(C)		
	IPSC Core		
Scientific Information Office (HNH615)	(D)		
Office of Education	Transgenic Core		
HNH616)	(E)		
Office of the Scientific	Proteo mics Core		
Director OOTC	(F)		
HNH617)	Bioin formatics Core		
ACGME Fellowship	(G) Biochemistry Core		
(HNH618)	(H)		
Hematology Consult Services	Light Microscopy Core		
(HNH619)	(J)		
	Flow Cytometry (FACS) Core		
	(K)		
	MRI Core		
	(L)		
	Glass Washing Facility		
	(M)		
	Murine Phenotyping Core		
	(N) BioPhysics Core		
	(P)		
	Flow Cytometry Facility		
	(Q)		
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Biology and Metabolism	(L)		
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Cardiovascular Branch	Obesity and Cardiovascular		
Clinical	Risk Laboratory		
(B)	(К)		
Advan ced Cardio vascular	Laboratory of Clinical		
Imaging Laboratory	Cardiology		
(C)	(L)		
Cardiovascular Branch OOTC	Laboratory of Inflammation		
D)	and Cardiometabolic		
Laboratory of Cardiovascular	Diseases		
Intervention	(M)		
(E)	Laboratory of Cardiovascular		
Echocardiography Laboratory	and Cancer Genetics		
(F)	<u>(N)</u>		
Laboratory of Cardiac	Laboratory of Obesity and		
Physiology (G)	Aging		
(G)	(P)		
Laboratory of Obesity and	MRI Technology Program		
Metabolic Diseases (H)	(Q)		
	Clinical Physiology		
	Laboratory		

Labo ratory

(R)

#### Office of the Clinical Division of Program Director Coordination, Plar (HNH67) Strategic Initiativ (HNH6Z12) Center for Human Immunology, Autoimmunity Minority Health a and Inflammation Disparities Popula (1) Labo ratory (HNH6Z13) Office of Clinical Affairs (A) Office of Scientifi Diversity Chief's Office of Research Nurses (HNH6Z14) (B) Office of Clinical Research Pulmonary Bran Support Services (HNH6Z16) (C) Pulmonary Branc Office of the Clinical Director OOTC Pulmonary Branch (D) Office of the Clinical Director Laboratory of Chr Clinical Infection (E) (C)Blood Advanced Practitioners Pulmonary Functi (F) Labo ratory Office of Biostatistics (D) Research Laboratory of Tra (G) Research Biospecimen Management (E) Program LAM Program (H) (F) Office of Technology Transfer Laboratory of Me and Development Regulation (HNH6Z08) (G) Molecular and Clinical Laboratory of Ast Hematology Laboratory Lung Inflammatio (HNH6Z10) (H) Imaging Probe Development Laboratory of Ap Center Precision Omics (HNH6Z11) (I) Population Sciences Translational Vascular (HNH6Z06) Medicine Branch (HNH6Z04) Laboratory for Hemo Laboratory of Molecular and Platelet Biology Biology (A) (A) Labo ratory for Laboratory of Experimental Cardiovascular Epide Atherosclerosis and Genomics Population Sciences Translational Vascular OOTC Medicine Branch Clinical (C) Laboratory of Cardiovascular Immunology Center Regenerative Medicine (HNH6N) Laboratory of Molec Laboratory of Vascular and Immunology Matrix Genetics (A) (E) Laboratory for Complement Lip oprotein Metabolism and Inflammation Research Laboratory (B) (F)

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	Molecular Cell Biolog Laboratory (D)
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Office of the Director (HNH6)

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Hematology Branch	
(HNH6Z01)	
Hematopoiesis and Bone	_
Marrow Failure Laboratory	
(A)	
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Hematology Branch Clinica	1
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Stem Cell Allogeneic	
Transplantation Laboratory	
(D)	
(8)	_
Laboratory of Lymphoid	_
Malignancies	
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Laboratory of Myeloid	
Malignancies	
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Hematology Branch OOTC	
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Sickle Cell Branch	_
(HNH6Z09)	
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Laboratory of Sickle Cell	
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Pathophysiology	
(A)	_
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Vascular biology	
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/lyeloid	Laboratory of System Genetics (E)
an ch OOTC	Medical Signal & Image Processing Program (F)
ch	Muscle En ergetics Laboratory (G)
ickle Cell	Single Cell Genomics
У	Laboratory (H)
sis and Y	Renal Cellular and Molecular Biology Section (J)
ch OOTC	System Biology Center OOTC (K)
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d Tissue	Laboratory of Molecular Laborat

(HNH6Z05)

Laboratory

Biology

(A)

Biochemistry and Biophysics Systems Biology Center Center (HNH6J) Laboratory of Epigenome Epithelial Systems Biology

Laboratory of Structural	Laboratory of Molecular and	
Biophysics	Cellular Imaging	
(A)	(L)	
Laboratory of Biochemistry	Laboratory of Imaging	
(B)	Physics	
Laboratory of Biochemical	(N)	
Dynamics	Theoretical Molecular	
(C)	Biophysics Laboratory	
Laboratory of Advanced	(P)	
Microscopy and Biophotonics	Machine Shop	
(D)	(Q)	
Labo ratory of Bioseparation	Biochemisty and Biophysics	
Technology	Center OOTC	
(E)	(R)	
Laboratory of Computational	Protein Expression Facility	
Biophysics	(S)	
(F)	Laboratory of	
Laboratory of Membrane	Ribon ucleo pro tein	
Biophysics	Biochemistry	
(G)	(T)	
Laboratory of Protein Conformation and Dynamics (H) Laboratory of RNA Biophysics	Laboratory of Single Molecu le Biophysics (U)	
and Cellular Physiology	BBC OOTC Brooks	
(J)	(V)	
Laboratory of Theoretical	Laboratory of Membrane	
Cellular Physics	Protein Structural Biology	
(K)	(W)	

Cell and Devel Biology Center (HNH6G)	·	
Laboratory of Cell and Tissue Morphodynamics (A)	Laboratory of Molecular Machines and Tissue Architecture (H)	Laboratory of Structural Cell Biology (S)
Laboratory of Cellular Physiology (C)	Cell and Developmental Biology Center OOTC	Laboratory of Dynamics and Evolution (T)
Molecular Cell Biology Laboratory (D)	(J) Laboratory of Cell Biology (K)	_
Laboratory of Molecular Physiology (E)	Laboratory of Host-Pathogen Dynamics (N)	
Developmental Neurobiology Laboratory (F)	Laboratory of Molecular Cardiology (P)	_
Laboratory of Protein Trafficking and Organelle Biology (G)	Laboratory of Stem Cell an Neuro-vascular Biology (Q) Laboratory of Human Endosymbiont Medicine (R)	

Translational Stem Cell Cellular and Molecular Therapeutics Branch Biology Branch (HNH6Z17) (HNH6Z18) Cellular and Molecular Translational Stem Cell Therapeutics Branch OOTC Biology Branch OOTC (A) Translational Stem Cell Cellular and Molecular Therapeutics Branch Clinical Biology Branch Clinical (B) Cellular and Molecular Laboratory of Molecular

Therapeutics Laboratory Hemato poiesi s (C)

Non-Human Primate

Program

(D)

Laboratory of Early Sickle Mortality Prevention

(A)

(B)

(C)

Laboratory of Transplantation Immunotherapy

Laboratory of Regenerative Therapies for Inherited Blood Disorders (F)

Laboratory of Vascular Thrombotic Disease and Inflammation (H)

Translational Vascular

Medicine Branch OOTC

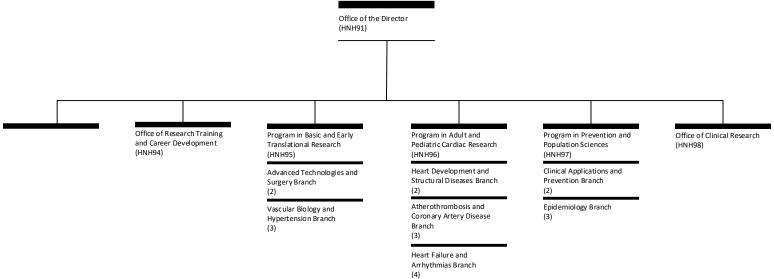
(B)

(C)

(D)

(G)





# Center for Translation Research and Implementation Science

