

Z Numbers - 2023 Completed Projects

2023 Project Z Numbers

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Lab/Branch	PI/Staff Name	Z Number	Project Title
Laboratory of Pathology	Abdullaev, Zied	ZID BC 012090	Classification of tumors using whole-genome methylation profiling
Cancer and Developmental Biology Laboratory	Acharya, Jairaj	ZIA BC 010331	Phospholipid and Sphingolipid Signaling in Drosophila
Cancer and Developmental Biology Laboratory	Acharya, Jairaj	ZIA BC 011187	Sphingolipid Signaling in Mammals
Laboratory of Molecular Biology	Adhya, Sankar	ZIA BC 008751	Regulation of Gene Transcription
Laboratory of Molecular Biology	Adhya, Sankar	ZIA BC 010017	Use of Bacteriophages to Prevent, Diagnose, and Treat Diseases
Experimental Immunology Branch	Adoro, Stanley	ZIA BC 012135	Proteostasis regulators in blood cell development and function
Developmental Therapeutics Branch	Aladjem, Mirit	ZIA BC 010411	Initiation of DNA Replication in Mammalian Cells
Laboratory of Pathology	Aldape, Kenneth	ZIA BC 011846	Single-cell DNA methylation analysis of human cancer
Laboratory of Pathology	Aldape, Kenneth	ZIA BC 011847	Development and validation of a predictor of meningioma recurrence
Laboratory of Pathology	Aldape, Kenneth	ZIA BC 011850	Genomic Biomarkers of Cancer
Laboratory of Molecular Biology	Alewine, Christine	ZIA BC 011652	Precision Therapy to Target Pancreatic Ductal Adenocarcinoma
Laboratory of Molecular Biology	Alewine, Christine	ZIE BC 011653	Clinical Support
Laboratory of Molecular Biology	Alewine, Christine	ZIA BC 011886	First in Human Trials of ProAgio, a Cytotoxin
Laboratory of Molecular Biology	Alewine, Christine	ZIA BC 012041	Rare Exocrine Tumors of the Pancreas
Surgical Oncology Program	Allen, Clint	ZIA BC 012131	Enhancing anti-tumor immunity in head and neck neoplasms
Laboratory of Integrative Cancer Immunology	Altan-Bonnet, Gregoire	ZIA BC 011726	Phenotypic variability within isogenic population of lymphocytes
Laboratory of Integrative Cancer Immunology	Altan-Bonnet, Gregoire	ZIA BC 011728	Cytokine coordination of collective immune responses against tumors
Laboratory of Integrative Cancer Immunology	Altan-Bonnet, Gregoire	ZIA BC 011781	Dynamics of hematopoietic differentiation
Laboratory of Integrative Cancer Immunology	Altan-Bonnet, Gregoire	ZIA BC 011807	Immunophenotyping by CyTOF and machine learning
Laboratory of Integrative Cancer Immunology	Altan-Bonnet, Gregoire	ZIA BC 012007	Dynamics of viral infection
Laboratory of Human Carcinogenesis	Ambs, Stefan	ZIA BC 010499	Maryland Prostate Cancer Case-Control Study
Laboratory of Human Carcinogenesis	Ambs, Stefan	ZIA BC 010624	The Molecular Profile of Prostate Tumors in African-American Men
Laboratory of Human Carcinogenesis	Ambs, Stefan	ZIA BC 010887	Novel Markers for Disease Outcome in Breast Cancer
Laboratory of Cell Biology	Ambudkar, Suresh	ZIA BC 010030	Biochemical Analysis of Multidrug Resistance-linked Transport Proteins
Cancer Innovation Laboratory	Anderson, Stephen	ZIA BC 010013	Molecular Studies of Cellular Cytotoxicity

Women's Malignancies Branch	Annunziata, Christina	ZIA BC 011054	Nuclear Factor-kappaB in Ovarian Cancer
Women's Malignancies Branch	Annunziata, Christina	ZIA BC 011584	Clinical trials in womens cancers
Women's Malignancies Branch	Annunziata, Christina	ZIA BC 011775	Immune cell control of ovarian cancer
Genetics Branch	Aplan, Peter	ZIA SC 010378	Activation of Proto-Oncogenes by Chromosomal Translocation
Genetics Branch	Aplan, Peter	ZIA SC 010379	Mechanisms of Chromosomal Translocation
Genetics Branch	Aplan, Peter	ZIA BC 010982	Collaborative Pathways that Lead to Leukemia
Genetics Branch	Aplan, Peter	ZIA BC 010983	Pre-clinical Studies of Therapy for Myelodysplastic Syndrome
Genitourinary Malignancies Branch	Apolo, Andrea	ZIA BC 011351	Bladder Cancer Program
Genitourinary Malignancies Branch	Apolo, Andrea	ZIA BC 011594	Targeting the MET Pathway in Urothelial Carcinoma
Genitourinary Malignancies Branch	Apolo, Andrea	ZIA BC 011928	Rare genitourinary tumors projects
Laboratory of Cell Biology	Appella, Ettore	ZIA BC 005599	Tumor Suppressor Protein, p53
Laboratory of Cell Biology	Appella, Ettore	ZIA BC 011197	Regulation and Function of WIP1 Phosphatase and its Role in Tumor Cells
Laboratory of Receptor Biology and Gene Expression	Arda, Hatice	ZIA BC 011798	Identification of genomic regulatory elements in pancreas cells
Molecular Targets Program	Aregger, Michael	ZIA BC 012099	Genetic interaction screening in renal cell carcinoma
Molecular Targets Program	Aregger, Michael	ZIA BC 012100	Combinatorial CRISPR transcriptional perturbation screening platform
Molecular Targets Program	Aregger, Michael	ZIA BC 012101	Establishing combinatorial screening platform coupled to single-cell analysis
Molecular Targets Program	Aregger, Michael	ZIA BC 012102	Improving editing efficiency and guide design of CHyMErA screening platform
Neuro-Oncology Branch	Armstrong, Terri	ZIA BC 011768	Natural History and Specimen Banking for Patients with CNS Tumors
Neuro-Oncology Branch	Armstrong, Terri	ZIA BC 011837	Outcomes and Risk of Rare Tumors
Neuro-Oncology Branch	Armstrong, Terri	ZIA BC 011893	Behavioral Correlates in Mouse Model of CNS radiation-induced hypersomnia
Neuro-Oncology Branch	Armstrong, Terri	ZIA BC 012073	Implementation of telehealth and health technology to improve patient outcomes
OCD-OD Admin	Armstrong, Terri	ZID BC 012078	Office of Patient-Centered Outcomes Research (OPCORE)
Laboratory of Immune Cell Biology	Ashwell, Jonathan	ZIA BC 011264	Glucocorticoids and T cell development and function
Laboratory of Immune Cell Biology	Ashwell, Jonathan	ZIA BC 011715	T cell receptor proximal signaling
Laboratory of Immune Cell Biology	Ashwell, Jonathan	ZIA BC 011976	TNF and inflammation
Laboratory of Biochemistry and Molecular Biology	Bai, Yawen	ZIA BC 010808	Chromatin structure and dynamics
Genitourinary Malignancies Branch	Banday, Abdul	ZIA BC 012091	Investigating mechanisms of bladder tumorigenesis and therapeutic resistance
Chemical Biology Laboratory	Barchi, Joseph	ZIA BC 010451	Carbohydrate Antigen-bearing Nanoparticles for Antitumor Therapy
Chemical Biology Laboratory	Barchi, Joseph	ZIA BC 011232	A Glycopeptide from Interstitial Cystitis Patients as a Novel Anticancer Lead
Laboratory of Pathology	Barr, Frederic	ZIA BC 011378	Studies of amplification in rhabdomyosarcoma

Laboratory of Pathology	Barr, Frederic	ZIE BC 011384	Anatomic Pathology Residency Program
Laboratory of Pathology	Barr, Frederic	ZIA BC 011387	Studies of gene fusions in rhabdomyosarcoma
Laboratory of Pathology	Barr, Frederic	ZIA BC 011423	Epigenetic studies in rhabdomyosarcoma
Genetics Branch	Basrai, Munira	ZIA BC 010822	Molecular Determinants of Chromosome Transmission and Cell Cycle Regulation
Laboratory of Cell Biology	Batista, Pedro	ZIA BC 011766	Regulation of RNA biogenesis and function by RNA modifications
Vaccine Branch	Berzofsky, Jay	ZIA SC 004020	Vaccine and immunotherapy strategies for cancer and viruses causing cancer
Vaccine Branch	Berzofsky, Jay	ZIA BC 011941	Studies of the SARS-CoV-2 Spike Protein
Vaccine Branch	Berzofsky, Jay	ZIA BC 012054	Vaccine strategies for HIV/AIDS
Molecular Targets Program	Beutler, John	ZIA BC 011469	Building Libraries with Chemical Diversity for Screening
Molecular Targets Program	Beutler, John	ZIA BC 011470	Development of Natural Product Leads as Anticancer Therapeutics
Surgery Branch	Beyer, Rachel	ZIC BC 010989	Clinical production of viral vectors for cancer gene therapy
Surgery Branch	Beyer, Rachel	ZIC BC 012049	QC and Release Testing of Clinical Vector and Cell Gene Therapy Products
Surgery Branch	Beyer, Rachel	ZIC BC 012051	Use of lentivirus in individualized cell-gene therapy
Laboratory of Genome Integrity	Bhandoola, Avinash	ZIA BC 011633	T cell Development and Regeneration
Surgical Oncology Program	Blakely, Andrew	ZIE BC 012097	Surgical Oncology Program Training Program
Laboratory of Immune Cell Biology	Bosselut, Remy	ZIA BC 010671	Genetic Analysis of T-cell Differentiation
Surgical Oncology Program	Boufraquech, Myriem	ZIA BC 012150	Unlocking mechanisms of resistance to targeted therapy in thyroid cancer
Laboratory of Genome Integrity	Boxer, Lisa	ZIA BC 012110	Chromatin Regulation in Brain Development and Disease
Laboratory of Cell and Developmental Signaling	Brognaard, John	ZIA BC 011690	Novel Tumor Suppressing Kinases in Cancer
Laboratory of Cell and Developmental Signaling	Brognaard, John	ZIA BC 011691	Oncogenic Kinases in Cancer
Office of the Director	Bronez, Melissa	ZIJ BC 011285	CCR Education and Outreach
Laboratory of Cellular Oncology	Buck, Christopher	ZIA BC 011090	Molecular biology of human polyomaviruses
Laboratory of Cellular Oncology	Buck, Christopher	ZIA BC 011460	BKV and JCV vaccine development
Laboratory of Human Carcinogenesis	Budhu, Anuradha	ZIA BC 011870	Liver Cancer Program
Chemical Biology Laboratory	Burke, Terrence	ZIA BC 007363	Design and Synthesis of HIV Integrase as Potential Anti-AIDS Drugs
Chemical Biology Laboratory	Burke, Terrence	ZIA BC 006198	Inhibitors of Tyrosine Kinase-Dependent Signaling as Anti-Cancer Agents
Basic Research Laboratory Bethesda	Bustin, Michael	ZIA BC 004496	Chromosomal Proteins and Chromosomal Functions
Basic Research Laboratory Bethesda	Bustin, Michael	ZIA BC 011154	Biological Functions of Chromosomal Proteins
Center for Structural Biology	Byrd, R. Andrew	ZIA BC 011131	Investigation of Protein-Protein Interactions in the ERAD Ubiquitylation Pathway
Center for Structural Biology	Byrd, R. Andrew	ZIA BC 011132	Methods Development

Center for Structural Biology	Byrd, R. Andrew	ZIA BC 011419	Structural Biology of GTPase Activating Proteins
Genetics Branch	Calzone, Kathy	ZID BC 011908	Clinical Cancer Genomics Program
Genetics Branch	Calzone, Kathy	ZIE BC 011912	Genomic Competency Initiative
Genetics Branch	Calzone, Kathy	ZIC BC 011931	Genomic Data Sharing
Radiation Oncology Branch	Camphausen, Kevin	ZIA SC 010372	Pre-clinical Development of Radiation Sensitizers for Patients with Glioblastoma
Radiation Oncology Branch	Camphausen, Kevin	ZIA SC 010373	The Synergy Between Radiotherapy and Molecularly Targeted Agents
Radiation Oncology Branch (OOC)	Camphausen, Kevin	ZID BC 010990	Radiation Oncology Branch - Radiation Clinic
Radiation Oncology Branch (OOC)	Camphausen, Kevin	ZIC BC 010991	Radiation Oncology Branch - Microarray Facility
Genetics Branch	Cao, Liang	ZIC BC 010981	Biomarker Investigations for Clinical Trials
Genetics Branch	Cao, Liang	ZIC BC 012031	Omics Technology facility
Genetics Branch	Caplen, Natasha	ZIA BC 011704	Discovery of genes required for expression or activity of fusion oncogenes
Laboratory of Cancer Biology and Genetics	Cappell, Steven	ZIA BC 011830	Control of cell cycle commitment by APC-C-Cdh1
Laboratory of Cancer Biology and Genetics	Cappell, Steven	ZIA BC 011832	Study cell cycle regulation in dormant tumor cells
Cancer Innovation Laboratory	Carrell, Jeffrey	ZIC BC 011236	CCR-Frederick Flow Cytometry Core
Laboratory of Integrative Cancer Immunology	Carrington, Mary	ZIA BC 010791	Effects of genetic polymorphism in MHC, KIR, and related loci on human disease
Laboratory of Integrative Cancer Immunology	Carrington, Mary	ZIA BC 010792	Molecular genetics and population studies of the KIR and HLA gene complexes
Laboratory of Integrative Cancer Immunology	Carrington, Mary	ZIA BC 011949	Host genetic resistance to COVID-19
Laboratory of Biochemistry and Molecular Biology	Chen, Chongyi	ZIA BC 011884	The dynamics of chromatin topology in human cells
Laboratory of Molecular Biology	Cheng, Sheue-yann	ZIA BC 008752	Thyroid Hormone Nuclear Receptors in Health and Disease
Laboratory of Molecular Biology	Cheng, Sheue-yann	ZIA BC 011191	Preclinical Mouse Models of Thyroid Cancer
Radiation Biology Branch	Cherukuri, Murali	ZIA BC 010476	Time Domain Electron Paramagnetic Resonance Imaging
Radiation Biology Branch	Cherukuri, Murali	ZIA BC 010477	Overhauser Enhanced Magnetic Resonance Imaging (OMRI)
Laboratory of Pathology	Chinquee, Joseph	ZID BC 010686	Clinical Operations for Laboratory of Pathology
Laboratory of Pathology	Chinquee, Joseph	ZIC BC 010687	Histology Core Laboratory
Laboratory of Pathology	Chinquee, Joseph	ZIC BC 011731	Tissue Procurement, Processing Facility and Biorepository
Molecular Imaging Branch	Choyke, Peter	ZIA BC 010655	Prostate Cancer Imaging
Molecular Imaging Branch	Choyke, Peter	ZIA BC 010656	Growth Factor Imaging and Photoimmunotherapy
Molecular Imaging Branch	Choyke, Peter	ZIA BC 010657	Cellular In vivo Imaging
Molecular Imaging Branch	Choyke, Peter	ZIA BC 010668	Instrumentation for microSPECT and microPET imaging
Office of the Director	Choyke, Peter	ZIA BC 011872	PSMA-PET Imaging of High Risk Prostate Cancer-Cures

Radiation Oncology Branch	Citrin, Deborah	ZIA BC 010850	Mechanisms of Normal Tissue Toxicity From Irradiation
Radiation Oncology Branch	Citrin, Deborah	ZIA BC 011552	Targeting mechanisms of radiation resistance
Radiation Oncology Branch	Coleman, C. Norman	ZIA BC 010670	Radiation-induced molecular targets
HIV Dynamics and Replication Program	Compton, Alex	ZIA BC 011756	An Intrinsic Link between the Metabolic and Antiviral States of the Cell
HIV Dynamics and Replication Program	Compton, Alex	ZIA BC 011779	Mechanisms of Virus Entry into Cells and Antiviral Barriers Limiting Entry
HIV Dynamics and Replication Program	Compton, Alex	ZIA BC 011967	Deciphering the Double-Edged Role of IFITM3 during SARS-CoV-2 Infection
Office of Science and Technology Resources	Conner, Elizabeth	ZIC BC 011623	CCR Genomics Core
Urologic Oncology Branch	Crooks, Daniel	ZIC BC 011932	Metabolomics Core
Experimental Immunology Branch	Crossman, Assiatu	ZIC BC 009255	Application of Flow Cytometry to Cell Biology
Office of the Director	Custer, Mary	ZIG BC 010856	Basic and Preclinical Animal Models in support of Cancer and HIV-AIDS Research
Cancer and Developmental Biology Laboratory	Daar, Ira	ZIA BC 010006	Mechanisms of Cross-talk Between EphrinB and Alternate Signaling Pathways
Cancer and Developmental Biology Laboratory	Daar, Ira	ZIA BC 010958	Signaling Mechanisms of EphrinB1 in Cell Adhesion, Migration and Invasion
Mouse Cancer Genetics Program	Dai, Chengkai	ZIA BC 011767	Preservation of Proteomic Stability and Promotion of Protein Lipidation by HSF1
Laboratory of Receptor Biology and Gene Expression	Dalal, Yamini	ZIA BC 011206	Role of histone variants in aging and cancer
Laboratory of Receptor Biology and Gene Expression	Dalal, Yamini	ZIA BC 011207	Biomechanical properties of chromatin in cancer and normal cells
Laboratory of Receptor Biology and Gene Expression	Dalal, Yamini	ZIA BC 011209	Formation of Centromeres in vivo
Surgery Branch	Danforth, David	ZIA SC 006663	Molecular Characterization of Breast Duct Epithelium at Risk for Breast Cancer
Cancer and Developmental Biology Laboratory	Davies, Erin	ZIA BC 012009	Mechanisms underlying establishment of regeneration competence
Cancer and Developmental Biology Laboratory	Davies, Erin	ZIA BC 012055	Anatomical and gene expression resource for Macrostomum lignano
Cancer and Developmental Biology Laboratory	Davies, Erin	ZIA BC 012119	Inductive germ cell specification and self-assembly of sexually dimorphic gonads
Cancer and Developmental Biology Laboratory	Davies, Erin	ZIA BC 012120	Adult pluripotent stem cell specification during planarian embryogenesis
Surgical Oncology Program	Davis, Jeremy	ZIA BC 012159	Molecular Mechanisms Driving Hereditary Diffuse Gastric Cancer Syndrome
Developmental Therapeutics Branch	Doroshov, James	ZIA BC 010677	NADPH Oxidases as Novel Targets for Cancer Therapy
Developmental Therapeutics Branch	Doroshov, James	ZIA BC 011078	Phase 0-1 Clinical Trials
Molecular Targets Program	Du, Lin	ZIA BC 011568	Natural Products Discovery and Characterization Through Network Collaborations
Laboratory of Cancer Biology and Genetics	DuBois, Wendy	ZIC BC 011047	Animal Model and Genotyping Core Support Facility
Laboratory of Cell Biology	Durell, Stewart	ZIC BC 011075	Molecular Modeling of the Human P-glycoprotein Transporter Protein
Laboratory of Cell Biology	Durell, Stewart	ZIC BC 011077	Molecular Modeling of Interactions Regulating the Activity of the p53 Protein
Laboratory of Cell Biology	Durell, Stewart	ZIC BC 011379	Inhibitor Development Against the Wip1 Phosphatase
Laboratory of Cell Biology	Durell, Stewart	ZIC BC 011380	HIV NCp7 inhibitors and Multivalent Inhibition of Membrane Receptors

Laboratory of Cell Biology	Durell, Stewart	ZIC BC 011724	Effects of Cytosine Modifications on Transcription Factor Binding
Laboratory of Cell Biology	Durell, Stewart	ZIC BC 012084	Modeling Oligomeric Structures of Amyloid forming Peptides
Laboratory of Cell Biology	Durell, Stewart	ZIC BC 012085	Computer Simulation Studies of Solvation Thermodynamics
Cancer Innovation Laboratory	Durum, Scott	ZIA BC 009287	Cytokines and T Cell Development
Cancer Innovation Laboratory	Durum, Scott	ZIA BC 011150	Chronic Inflammation and Carcinogenesis
Center for Structural Biology	Elmlund, Hans	ZIA BC 012087	Unsupervised image processing methods for cryoEM analysis in real time
Center for Structural Biology	Elmlund, Hans	ZIA BC 012088	Algorithms for atomic-resolution structure identification of nanocrystals
Molecular Imaging Branch	Escorcia, Freddy	ZIA BC 011800	Engineering HCC-selective PET agent
Vaccine Branch	Felber, Barbara	ZIA BC 010334	Conserved Element DNA Vaccine
Vaccine Branch	Felber, Barbara	ZIA BC 010350	Development & testing of nucleic acid-based vaccine for HIV & other indications
Vaccine Branch	Felber, Barbara	ZIA BC 011940	COVID-19 vaccine in naive individuals and cancer patients
Vaccine Branch	Felber, Barbara	ZIA BC 012105	Examining IL-15 and IL-7 as an immunotherapy agent in cancer and AIDS
Genitourinary Malignancies Branch	Figg, William	ZIA SC 006538	Development of Anticancer Agents
Office of the Clinical Director	Figg, William	ZIC SC 006536	Biospecimen Processing and Biorepository
Office of the Clinical Director	Figg, William	ZIC SC 006537	Using Clinical Pharmacology Principles to Develop New Anticancer Therapies
Genitourinary Malignancies Branch	Figg, William	ZIA BC 010453	Genetics and Molecular Mechanisms of Prostate Cancer
Genitourinary Malignancies Branch	Figg, William	ZIA BC 010547	Drug Development for Prostate Cancer and other Metastatic Processes
Office of the Clinical Director	Figg, William	ZIA BC 010627	Clinical Pharmacogenetics
Office of the Clinical Director	Figg, William	ZIA BC 011996	Clinical Pharmacology and Drug-Drug Interactions in HIV-Associated Malignancy
Laboratory of Pathology	Filie, Armando	ZIC BC 011052	Cytopathology Core
Laboratory of Molecular Biology	FitzGerald, David	ZIA BC 008757	Bio-Therapies for the Treatment of Cancer
Vaccine Branch	Franchini, Genoveffa	ZIA BC 005645	Role of the HTLV-1A and HTLV1-C inflammatory profile in disease
Vaccine Branch	Franchini, Genoveffa	ZIA BC 011126	Development of rationally designed HIV vaccines
Vaccine Branch	Franchini, Genoveffa	ZIA BC 012025	Phase I HIV vaccine trial with DNA/ALVAC-HIV gp120 delta V1 vaccines
HIV Dynamics and Replication Program	Freed, Eric	ZIA BC 010778	HIV-1 Maturation
HIV Dynamics and Replication Program	Freed, Eric	ZIA BC 011720	Gag Trafficking, Assembly, and Release
HIV Dynamics and Replication Program	Freed, Eric	ZIA BC 011721	Envelope Glycoprotein Incorporation and Function
HIV Dynamics and Replication Program	Freed, Eric	ZIA BC 011968	Antagonism of Coronavirus Spike Proteins by Cellular Host Factors
Women's Malignancies Branch	Fujii, Takeo	ZIA BC 012130	Elucidating the role of thrombosis and inflammation in breast cancer metastasis
Neuro-Oncology Branch	Gilbert, Mark	ZIA BC 011640	Exploring the Therapeutic Potential of Stem Cell Biology in Gliomas

Neuro-Oncology Branch	Gilbert, Mark	ZIC BC 011641	Pre-clinical Translational Research Facility
Neuro-Oncology Branch	Gilbert, Mark	ZID BC 011642	Brain Tumor Clinical and Clinical Research Program
Neuro-Oncology Branch	Gilbert, Mark	ZIA BC 011643	Rare Central Nervous System Cancers Initiative
Neuro-Oncology Branch	Gilbert, Mark	ZIA BC 011647	Identifying New Glioma-Associated Tumor Suppressors and Oncogenes
Neuro-Oncology Branch	Gilbert, Mark	ZIA BC 011714	Translational Immunology
Neuro-Oncology Branch	Gilbert, Mark	ZIA BC 011784	Bioinformatics: Characterizing Brain Tumor Data
Office of the Director	Gilbert, Mark	ZIA BC 011853	CONNECT: Comprehensive Oncology Network Evaluating Rare CNS Tumors - Cures
Chemical Biology Laboratory	Gildersleeve, Jeffrey	ZIA BC 010675	Development of a Carbohydrate Microarray
Chemical Biology Laboratory	Gildersleeve, Jeffrey	ZIA BC 010740	Carbohydrate Microarray Profiling of Glycan-Binding Antibodies and Lectins
Chemical Biology Laboratory	Gildersleeve, Jeffrey	ZIA BC 011055	Serum Antibody Profiling with a Carbohydrate Microarray
Pediatric Oncology Branch	Glod, John	ZIE BC 011516	Pediatric Oncology Branch Clinical Care and Education
Pediatric Oncology Branch	Glod, John	ZID BC 011517	Pediatric Oncology Branch Behavioral Science Core
Pediatric Oncology Branch	Glod, John	ZIA BC 012072	Early Detection of Cancer Patients with Germline SDH Deficiency
Office of Science and Technology Resources	Goldstein, David	ZIK BC 010857	Science and Technology Resources
Office of Science and Technology Resources	Goldstein, David	ZIC BC 011331	CCR Sequencing Facility
Office of the Director	Goldstein, David	ZIC BC 011532	CCR Collaborative Bioinformatics Resource
Laboratory of Integrative Cancer Immunology	Goldszmid, Romina	ZIA BC 011670	Role of the microbiota in regulating the mononuclear phagocyte system
RNA Biology Laboratory	Gonatopoulos Pournatzis, Thomas	ZIA BC 012019	Investigating the regulation of alternative splicing and its role in disease
RNA Biology Laboratory	Gonatopoulos Pournatzis, Thomas	ZIA BC 012033	High-throughput phenotypic screening for functionally characterizing alt. exons
Cancer Innovation Laboratory	Gonzalez, Frank	ZIA BC 005562	Xenobiotic receptors
Cancer Innovation Laboratory	Gonzalez, Frank	ZIA BC 005708	Xenobiotic metabolism, cancer chemoprevention and cancer biomarkers
Laboratory of Cell Biology	Gottesman, Michael	ZIA BC 005598	Genetic Analysis of the Multidrug Resistance Phenotype in Tumor Cells
Laboratory of Cell Biology	Gottesman, Michael	ZIA BC 010830	Mechanisms of non-classical multidrug resistance in cancer
Laboratory of Cell Biology	Gottesman, Michael	ZIA BC 012052	Zebrafish model of blood-brain barrier to improve drug delivery to the brain
Laboratory of Molecular Biology	Gottesman, Susan	ZIA BC 008714	Bacterial Functions Involved in Cell Growth Control
Laboratory of Molecular Biology	Gottesman, Susan	ZIA BC 011203	Proteolysis and Regulation of Bacterial Cell Growth Control
Experimental Transplantation and Immunotherapy Branch	Gress, Ronald	ZIA BC 010525	Immune Reconstitution
Experimental Transplantation and Immunotherapy Branch	Gress, Ronald	ZIA BC 010960	ETIB Clinical Trials
Experimental Transplantation and Immunotherapy Branch	Gress, Ronald	ZID BC 010963	ETIB Clinical Research Core
Thoracic and GI Malignancies Branch	Greten, Tim	ZIA BC 011343	Clinical protocols for the treatment of gastrointestinal cancer

Thoracic and GI Malignancies Branch	Greten, Tim	ZIA BC 011344	Immune suppressor mechanisms in patients with GI cancer
Thoracic and GI Malignancies Branch	Greten, Tim	ZIA BC 011345	Analysis of cancer-related immune suppressor mechanisms in mice
Laboratory of Biochemistry and Molecular Biology	Grewal, Shiv	ZIA BC 010523	RNAi and Epigenetic Control of Higher-Order Chromatin Assembly
Laboratory of Biochemistry and Molecular Biology	Grewal, Shiv	ZIA BC 011208	Roles of Chromatin-modifying Factors in Epigenetic Control of the Genome
RNA Biology Laboratory	Gu, Shuo	ZIA BC 011566	Mechanism, Regulation and Application of miRNA pathway in cancer
Center for Immuno-Oncology	Gulley, James	ZIA BC 010666	Cancer Immunotherapy
Office of the Director	Gulley, James	ZIA BC 011871	T-Cell Receptor Gene Therapy for Human Cancers-Cures
Office of the Clinical Director	Gulley, James	ZIA BC 012128	Bench to Beside and Back translational immuno-oncology-Cures
Laboratory of Receptor Biology and Gene Expression	Hager, Gordon	ZIA BC 010308	In vivo Imaging Analysis of Steroid-Nuclear Receptor Function
Laboratory of Receptor Biology and Gene Expression	Hager, Gordon	ZIA BC 010027	Function of Steroid Receptors in Subcellular Compartments
Laboratory of Receptor Biology and Gene Expression	Hager, Gordon	ZIA BC 005450	Chromatin Structure and Gene Expression
Surgery Branch	Halas, Hyunmi	ZIC BC 010905	Surgery Branch Cell Prep Core
Surgery Branch	Halas, Hyunmi	ZIC BC 011569	Cell Production Core Facility
Cancer Data Science Laboratory	Hannenhalli, Sridhar	ZIA BC 011964	Transcriptomic origins of cancer
Cancer Data Science Laboratory	Hannenhalli, Sridhar	ZIA BC 011978	Developmental origins of cancer
Cancer Data Science Laboratory	Hannenhalli, Sridhar	ZIA BC 011979	Identifying non-coding drivers of cancer
Cancer Data Science Laboratory	Hannenhalli, Sridhar	ZIA BC 011981	Machine learning, network-based models for gene expression, activity, function
Cancer Data Science Laboratory	Hannenhalli, Sridhar	ZIA BC 011984	Gene interactions in cancer
Laboratory of Human Carcinogenesis	Harris, Curtis	ZIA BC 011492	Precision Medicine of Cancer
Laboratory of Human Carcinogenesis	Harris, Curtis	ZIA BC 011496	p53, Aging, and Cancer
Thoracic and GI Malignancies Branch	Hassan, Raffit	ZIA BC 010816	Immunotherapy for Malignant Mesothelioma and Lung Cancer
Thoracic and GI Malignancies Branch	Hassan, Raffit	ZID BC 011540	Thoracic and Gastrointestinal Malignancies Branch Clinical Core
Office of the Director	Henderson, Darren	ZII BC 011234	CCR New Space Activation
Surgical Oncology Program	Hernandez, Jonathan	ZIA BC 011759	Interrogating the molecular underpinnings of metastatic colonization
Surgical Oncology Program	Hernandez, Jonathan	ZIA BC 011861	Evaluating outcomes for patients with primary-metastatic gastrointestinal cancer
Pediatric Oncology Branch	Heske, Christine	ZIA BC 011745	Development of biologic based therapies for rhabdomyosarcoma
Pediatric Oncology Branch	Heske, Christine	ZIA BC 011774	Development and translation of novel therapies for pediatric sarcoma
Laboratory of Pathology	Hewitt, Stephen	ZIC BC 011638	Experimental Pathology Laboratory (EPL)
Immune Deficiency and Cellular Therapy Program	Hickstein, Dennis	ZIA SC 010384	Hematopoietic Stem Cell Gene Therapy for Leukocyte Adhesion Deficiency
Immune Deficiency and Cellular Therapy Program	Hickstein, Dennis	ZIA BC 010870	Hematopoietic Stem Cell Transplant for GATA2 Deficiency

Immune Deficiency and Cellular Therapy Program	Hickstein, Dennis	ZIA BC 011994	Allogeneic Hematopoietic Transplantation for Primary Immunodeficiency Diseases
Immune Deficiency and Cellular Therapy Program	Hickstein, Dennis	ZIA BC 012075	Hematopoietic Stem Cell Transplant for VEXAS
Laboratory of Molecular Biology	Ho, Mitchell	ZIA BC 010891	Development of antibody engineering-based cancer therapies
Laboratory of Molecular Biology	Ho, Mitchell	ZIC BC 011891	Antibody Engineering Program
Laboratory of Molecular Biology	Ho, Mitchell	ZIA BC 011943	Development of neutralizing nanobodies against SARS-CoV-2
Thoracic Surgery Branch	Hoang, Chuong	ZIA BC 011657	microRNA-based and novel molecular therapeutics in thoracic cancers
Experimental Immunology Branch	Hodes, Richard	ZIA BC 009405	Regulation of Lymphocyte Proliferation and Replicative Capacity
Experimental Immunology Branch	Hodes, Richard	ZIA BC 009281	Receptor Mediated T and B Cell Activation
Experimental Immunology Branch	Hodes, Richard	ZIA BC 009265	Analysis of the T Cell Repertoire
Center for Immuno-Oncology	Hodge, James	ZIA BC 010661	Vaccine and Drug Combination Therapy for Human Cancers
Center for Immuno-Oncology	Hodge, James	ZIA BC 010975	Vaccine and radiation for the therapy of human cancers
HIV Dynamics and Replication Program	Hu, Wei-Shau	ZIA BC 010504	Understanding Retroviral Reverse Transcription, Recombination, and Replication
HIV Dynamics and Replication Program	Hu, Wei-Shau	ZIA BC 010506	Defining Mechanisms of HIV-1 Gag:RNA Interactions and Virus Assembly
HIV Dynamics and Replication Program	Hu, Wei-Shau	ZIA BC 010814	Elucidating the Regulation of HIV RNA Functions: Translation & Genome Packaging
HIV Dynamics and Replication Program	Hu, Wei-Shau	ZIA BC 011969	Development of Cell-based Assays to Identify SARS-CoV-2 Protease Inhibitor
Cancer Innovation Laboratory	Hu, Yinling	ZIA BC 011212	Functions of IKK alpha in Skin Homeostasis and Skin Tumorigenesis
Cancer Innovation Laboratory	Hu, Yinling	ZIA BC 011391	Role of IKK alpha in lung cancer development
Cancer Innovation Laboratory	Hu, Yinling	ZIA BC 011422	Role of IKK alpha in lymphoid organ development
Laboratory of Cancer Biology and Genetics	Huang, Jing	ZIA BC 011158	Stress responses in embryonic stem cells
Laboratory of Cancer Biology and Genetics	Huang, Jing	ZIA BC 011504	Vulnerabilities in osteosarcoma and breast cancer
Laboratory of Cancer Biology and Genetics	Hunter, Kent	ZIA BC 011255	Genetic Modifiers of Initiation and Progression of Mammary Cancer
Laboratory of Human Carcinogenesis	Hussain, S. Perwez	ZIA BC 011162	Integrative Molecular Profiling of Human Pancreatic Cancer
Laboratory of Human Carcinogenesis	Hussain, S. Perwez	ZIA BC 011185	Role of Immune and Inflammation Mediators in Progression of Pancreatic Cancer
Laboratory of Cellular and Molecular Biology	Iglesias-Bartolome, Ramiro	ZIA BC 011763	Regulation of epithelial cell fate decisions in tissue homeostasis and cancer
Center for Immuno-Oncology	Ishii, Kazusa	ZIA BC 012045	TCR engineered T cell therapies for hematologic malignancies
Laboratory of Pathology	Jaffe, Elaine	ZIA SC 000550	Lymphoma Disease Discovery and Definition
Laboratory of Pathology	Jaffe, Elaine	ZIA BC 011070	Hematopathology Diagnosis
Laboratory of Pathology	Jaffe, Elaine	ZIE BC 011241	Hematopathology Fellowship
Laboratory of Cell Biology	Jenkins, Lisa	ZIC BC 011430	CPTR - Mass Spectrometry Unit
Center for Structural Biology	Ji, Xinhua	ZIA BC 010326	Biomolecular Structure and Mechanism, Structure-Based Drug Design

Cancer Data Science Laboratory	Jiang, Peng	ZIA BC 011889	Data-driven inference of regulators for cytokine-mediated tumor killing
Cancer Data Science Laboratory	Jiang, Peng	ZIA BC 011890	Computational approaches for the analyses of spatial profiling technologies
Mouse Cancer Genetics Program	Johnson, Peter	ZIA BC 012098	Control of Oncogenic Signaling Through Spatial Organization of Kinases and mRNAs
Laboratory of Pathology	Jones, Jennifer	ZIA BC 011502	Biophysical Characterization of EVPs and other Macromolecular Nanoparticles
Laboratory of Pathology	Jones, Jennifer	ZIA BC 011503	Discovery of Tumor, Treatment Response, and Systems-based EVP Signatures
Laboratory of Pathology	Jones, Jennifer	ZIA BC 011942	Translational Nanobiology Approaches to Viral Diseases (HIV, HTLV, SARS-CoV2)
Laboratory of Pathology	Jones, Jennifer	ZIA BC 012107	Classification and Ontology of Macromolecular Complexes in Liquid Biopsies
Center for Immuno-Oncology	Kanakry, Christopher	ZIA BC 011659	Deciphering the efficacy of posttransplant cyclophosphamide in BMT
Office of the Clinical Director	Kanakry, Jennifer	ZIE BC 010843	NIH Hematology Oncology Fellowship Program
Center for Immuno-Oncology	Kanakry, Jennifer	ZIA BC 012065	Reduced toxicity allogeneic hematopoietic cell transplantation in malignancies
Pediatric Oncology Branch	Kaplan, Rosandra	ZIA BC 011332	Tumor Microenvironment in Cancer Progression
Pediatric Oncology Branch	Kaplan, Rosandra	ZIA BC 011334	Biomarkers and Therapeutic Targets in Tumor Microenvironment and Metastasis
Laboratory of Receptor Biology and Gene Expression	Karpova, Tatiana	ZIC BC 011571	Transcription factor mobility
Laboratory of Receptor Biology and Gene Expression	Karpova, Tatiana	ZIC BC 011574	LRBGE Optical Microscopy Core
RNA Biology Laboratory	Kashlev, Mikhail	ZIA BC 010795	Mechanisms of transcription pausing and fidelity in prokaryotes and eukaryotes
HIV Dynamics and Replication Program	Kearney, Mary	ZIA BC 011681	Dynamics and Genetics of HIV Proviruses before and during Antiretroviral Therapy
HIV Dynamics and Replication Program	Kearney, Mary	ZIA BC 011697	Effects of Antiretroviral Therapy on Transcriptional Activity of HIV Proviruses
HIV Dynamics and Replication Program	Kearney, Mary	ZIA BC 011698	Impact of Interventions on Clonally Expanded Proviruses and Their RNA Expression
HIV Dynamics and Replication Program	Kearney, Mary	ZIA BC 011699	Ultrasensitive Single-Genome Sequencing to Study HIV Transmission and Evolution
Office of Science and Technology Resources	Kedei, Noemi	ZIC BC 011434	Collaborative Protein Technology Resource - Nano-Scale Protein Analysis Section
Mouse Cancer Genetics Program	Keller, Jonathan	ZIA BC 010001	Molecular-Cellular Regulation of Hematopoietic Stem Cells
Laboratory of Genitourinary Cancer Pathogenesis	Kelly Siebenlist, Kathleen	ZIA BC 011782	Mechanisms of pathogenesis in patient derived organoid models of prostate cancer
Laboratory of Genitourinary Cancer Pathogenesis	Kelly Siebenlist, Kathleen	ZIA BC 011919	Identifying genetic vulnerabilities in neuroendocrine prostate cancer
Laboratory of Genitourinary Cancer Pathogenesis	Kelly Siebenlist, Kathleen	ZIA BC 012111	Biology of AR+ prostate cancer metastases and the role of the microenvironment
Laboratory of Biochemistry and Molecular Biology	Kelly, Alexander	ZIA BC 011491	Role of kinetochore proteins in chromosome segregation
Office of the Director	Kelly, Michael	ZIC BC 012123	Single Cell Analysis Facility
Laboratory of Cell and Developmental Signaling	Kettenhofen, Christine	ZIC BC 011956	Zebrafish core
Cancer Innovation Laboratory	KewalRamani, Vineet	ZIA BC 010487	The role of CPSF6 in HIV-1 infection
Cancer Innovation Laboratory	KewalRamani, Vineet	ZIA BC 010488	HIV-1 passage through the nuclear pore complex
Cancer Innovation Laboratory	KewalRamani, Vineet	ZIA BC 011461	The role of POM121 in HIV-1 infection

Genetics Branch	Khan, Javed	ZIA SC 010366	Predicting Response & Prognosis in Pediatric Cancers
Genetics Branch	Khan, Javed	ZIA BC 010806	Developing Novel Therapies for High Risk Pediatric Cancers
Genetics Branch	Khan, Javed	ZIA BC 010998	Therapy Resistance Mechanisms for Cancer
Genetics Branch	Khan, Javed	ZIA BC 010999	Targeting FGFR4, RAS, and PAX3-FOXO1 gene in Rhabdomyosarcoma
Genetics Branch	Khan, Javed	ZIA BC 011002	Bioinformatics, Machine Learning, Systems Biology of Cancers
Laboratory of Molecular Biology	Khare, Anupama	ZIA BC 011819	Mechanisms of multi-species bacterial interactions
Laboratory of Molecular Biology	Khare, Anupama	ZIA BC 011821	Evolution of antibiotic resistance
Cancer Innovation Laboratory	Kimura, Shioko	ZIA BC 005522	Thyroid regeneration and carcinogenesis
Cancer Innovation Laboratory	Kimura, Shioko	ZIA BC 010449	Role of Novel Cytokine-like Molecule Secretoglobulin (SCGB) 3A2 in Lung
Laboratory of Pathology	Kleiner, David	ZIC BC 010685	Postmortem Pathology
Surgery Branch	Klemen, Nicholas	ZIA BC 012121	Retroviral genetic modification of PBLs to optimize expansion for cell therapy
Molecular Imaging Branch	Kobayashi, Hisataka	ZIA BC 011512	Activatable molecular cancer imaging probe
Molecular Imaging Branch	Kobayashi, Hisataka	ZIA BC 011513	Cancer-cell specific therapy: photo-immunotherapy
Surgery Branch	Kochenderfer, James	ZIA BC 011415	Allogeneic T cells Transduced with an Anti-CD19 Chimeric Antigen Receptor
Surgery Branch	Kochenderfer, James	ZIA BC 011417	Improved Chimeric Antigen Receptor Therapies B-cell Malignancies
Surgery Branch	Kochenderfer, James	ZIA BC 011439	Development of Chimeric Antigen Receptors Targeting Multiple Myeloma
Surgery Branch	Kochenderfer, James	ZIA BC 011660	Development of fully-human anti-CD30 chimeric antigen receptors
Surgery Branch	Kochenderfer, James	ZIA BC 012157	Development of CAR T cells targeting T-cell malignancies
Surgery Branch	Kochenderfer, James	ZIA BC 012158	Adoptive T-cell Therapies Targeting Mutations in Hematologic Malignancies
Laboratory of Biochemistry and Molecular Biology	Koivomagi, Mardo	ZIA BC 012133	Biochemical mechanisms cyclin-dependent kinases use to control cell division
Cancer Data Science Laboratory	Kolmogorov, Mikhail	ZIA BC 012104	New methods for structural variation analysis of rearranged cancer genomes using
Cancer Data Science Laboratory	Kolmogorov, Mikhail	ZIA BC 012108	Complex rearrangement detection in cancer genomes using long reads
Cancer Data Science Laboratory	Kolmogorov, Mikhail	ZIA BC 012109	Population-scale, long-read characterization of human genome and microbiome
Laboratory of Cancer Biology and Genetics	Kraemer, Kenneth	ZIA BC 004517	DNA Repair in Human Cancer-Prone Genetic Diseases
Radiation Oncology Branch	Krauze, Andra	ZIA BC 012092	Using artificial intelligence and MRI to address limitations in glioblastoma
Radiation Oncology Branch	Krauze, Andra	ZIA BC 012093	Proteogenomic characterization and biomarker discovery in glioblastoma
Radiation Oncology Branch	Krauze, Andra	ZIA BC 012094	Prognostic and predictive clinical and proteomic biomarker discovery in GBM
Radiation Oncology Branch	Krauze, Andra	ZIA BC 012095	Generating a multi-channel data framework for AI analysis in Radiation therapy
Radiation Oncology Branch	Krauze, Andra	ZIA BC 012096	Advancing clinically meaningful AI algorithms to improve oncologic outcomes
Laboratory of Molecular Biology	Kreitman, Robert	ZIA BC 010301	Development of Recombinant Toxins to Treat Hematologic Malignancies

Laboratory of Molecular Biology	Kreitman, Robert	ZIA BC 011952	Patterns of immune response in COVID-19 patients
Surgery Branch	Krishna, Sri	ZIA BC 012154	Identifying antitumor T cell receptors for cellular immunotherapy
Surgery Branch	Krishna, Sri	ZIA BC 012156	Studying phenotypic states of antitumor human T cells
HIV and AIDS Malignancy Branch	Krug, Laurie	ZIA BC 011953	Investigation of viral and host determinants of gammaherpesvirus pathogenesis
HIV and AIDS Malignancy Branch	Krug, Laurie	ZIA BC 012014	Novel interventions for gammaherpesvirus infection and AIDS-Related Malignancies
Laboratory of Cancer Biology and Genetics	Kruhlak, Michael	ZIC BC 010858	CCR Microscopy Core
Laboratory of Genitourinary Cancer Pathogenesis	Lake, Ross	ZIC BC 010947	Laboratory of Genitourinary Cancer Pathogenesis Microscopy Core Facility
Genetics Branch	Lal, Ashish	ZIA BC 011646	Role of long non-coding RNAs and RNA-binding proteins in p53 signaling
Neuro-Oncology Branch	Larion, Mioara	ZIA BC 011707	The effect of therapeutics on mutated IDH1 cell lines and mice tumor models
Neuro-Oncology Branch	Larion, Mioara	ZIA BC 011708	Targeted and untargeted metabolomics in IDH1 mutated xenografts in mice
Neuro-Oncology Branch	Larion, Mioara	ZIA BC 011709	Metabolite profiling of patients blood, urine, cerebrospinal fluid and tissue
Neuro-Oncology Branch	Larion, Mioara	ZIA BC 011710	In vivo and in vitro metabolic flux analysis in preclinical mouse models
Neuro-Oncology Branch	Larion, Mioara	ZIA BC 011711	Develop RAMAN imaging to visualize metabolism in cell lines and tissue
Developmental Therapeutics Branch	Larionov, Vladimir	ZIA BC 010413	Human Artificial Chromosomes for Cancer Research and Functional Genomics
Laboratory of Receptor Biology and Gene Expression	Larson, Daniel	ZIA BC 011383	Transcription and Splicing Dynamics in Single Cells
Center for Immuno-Oncology	Lassoued, Wiem	ZIC BC 012029	Tumor Immune MicroEnvironment Facility (Scientific Core)
Experimental Immunology Branch	Lazarevic, Vanja	ZIA BC 011431	Role of T-bet in the pathogenesis of experimental autoimmune encephalomyelitis
Experimental Immunology Branch	Lazarevic, Vanja	ZIA BC 011765	Transcriptional regulation of inflammatory and autoimmune responses
Laboratory of Genome Integrity	Lazzerini Denchi, Eros	ZIA BC 011815	Investigate the mechanism of action of the novel telomere length regulator TZAP
Laboratory of Genome Integrity	Lazzerini Denchi, Eros	ZIA BC 011816	Determine how telomere dysfunction impacts neuronal function
Laboratory of Genome Integrity	Lazzerini Denchi, Eros	ZIA BC 012015	Mechanism of end protection in stem cells
Center for Structural Biology	Lea, Susan	ZIA BC 012043	Structural biology of host-pathogen interactions
Center for Structural Biology	Lea, Susan	ZIA BC 012069	Eukaryotic Protein Maturation and Transport
Center for Structural Biology	Lea, Susan	ZIA BC 012070	Structural biology collaborations
Laboratory of Cellular and Molecular Biology	Lebensohn, Andres	ZIA BC 011901	New regulatory mechanisms of WNT signaling in development, stem cells and cancer
Molecular Imaging Branch	Leblanc, Amy	ZIG BC 011689	Comparative Oncology Trials Consortium
Molecular Imaging Branch	Leblanc, Amy	ZIA BC 011692	Comparative Oncology Program Laboratory
Molecular Imaging Branch	Leblanc, Amy	ZIA BC 011696	Comparative Brain Tumor Consortium
Women's Malignancies Branch	Lee, Jung-Min	ZIA BC 011525	Leveraging DNA damage repair pathways as therapeutic targets in womens cancers
Cancer Innovation Laboratory	Lee, Kyung	ZIA BC 010681	Development of inhibitors targeting Plk1 polo-box domain

Cancer Innovation Laboratory	Lee, Kyung	ZIA BC 011518	Molecular basis of centriole duplication
Cancer Innovation Laboratory	Lee, Kyung	ZIA BC 012024	Unraveling the molecular link between HIV/AIDS and cancer
Laboratory of Cancer Biology and Genetics	Lee, Maxwell	ZIH BC 011703	Integrated analyses of genetics, epigenetics, and gene expression
Immune Deficiency and Cellular Therapy Program	Leko, Vid	ZIA BC 012116	Targeting cancer neoantigens in patients with myeloid malignancies
Laboratory of Pathology	Levens, David	ZIA SC 009144	Mechanisms of transcription factor integration at the c-myc promoter
Laboratory of Pathology	Levens, David	ZIA BC 011011	The genome-wide function of supercoiling and alternative DNA conformations
Laboratory of Pathology	Levens, David	ZIA BC 011465	c-Myc Function
Office of the Director	Levine, Jason	ZIH BC 011235	Support of NCI CCR Clinical Research and Bioinformatics
Cancer and Developmental Biology Laboratory	Lewandoski, Mark	ZIA BC 010338	The Role of Fgf Signaling in Vertebrate Development
Cancer and Developmental Biology Laboratory	Lewandoski, Mark	ZIA BC 010518	Role of BMP and FGF signaling during limb development
Cancer and Developmental Biology Laboratory	Lewandoski, Mark	ZIA BC 011321	Identification and characterization of FGF target genes
Laboratory of Biochemistry and Molecular Biology	Lichten, Michael	ZIA BC 005268	Mechanism of Meiotic Recombination
Molecular Imaging Branch	Lin, Frank	ZIA BC 011789	Phase 2 study of Lu-177-DOTATATE in inoperable paraganglioma - pheochromocytoma
Molecular Imaging Branch	Lin, Frank	ZIA BC 011826	Protection of Salivary Gland in PSMA-targeted radioligand therapy
Molecular Imaging Branch	Lin, Frank	ZIA BC 011827	Phase 1-2 study of Lu177-DOTATATE and olaparib in neuroendocrine tumors
Molecular Imaging Branch	Lin, Frank	ZIA BC 011895	Improving PSMA-based radioligand therapy via combination radioligand therapy
Molecular Imaging Branch	Lin, Frank	ZIA BC 012138	Pb212 VMT alpha NET in treatment and re-treatment of SSTR+ tumors
Urologic Oncology Branch	Linehan, W. Marston	ZIA BC 011028	Clinical Studies of the Molecular Genetic Basis of Kidney Cancer
Urologic Oncology Branch	Linehan, W. Marston	ZIA BC 011038	Molecular Therapeutics of Kidney Cancer: VHL Gene and Fumarate Hydratase Gene
Urologic Oncology Branch	Linehan, W. Marston	ZIA BC 011043	Molecular Therapeutics of Kidney Cancer: MET Gene and BHD Gene
Urologic Oncology Branch	Linehan, W. Marston	ZID BC 011089	Clinical Nursing and Data Management Core
Urologic Oncology Branch	Linehan, W. Marston	ZID BC 011092	Urologic Oncology Branch Consult Core
Women's Malignancies Branch	Lipkowitz, Stanley	ZIA SC 007263	Activating Cell Death Pathways in Breast Cancer Cells
Women's Malignancies Branch	Lipkowitz, Stanley	ZIA BC 010977	Cbl Proteins as Regulators of Tyrosine Kinase Signaling
Women's Malignancies Branch	Lipkowitz, Stanley	ZIA BC 011650	Genomic characterization of breast cancer in high risk subsets of breast cancer
Laboratory of Immune Cell Biology	Liu, Zheng-Gang	ZIA SC 010376	TNF Signaling, Cell Death and Cancer
Laboratory of Immune Cell Biology	Liu, Zheng-Gang	ZIA BC 010783	Inflammation, Macrophage Differentiation, and Cancer
Laboratory of Genome Integrity	Livak, Ferenc	ZIC BC 011428	CCR, LGI, Flow Cytometry Core
Cancer Innovation Laboratory	Loncarek, Jadranka	ZIA BC 011459	Control of centrosome biogenesis
Surgical Oncology Program	London, Nyall	ZIC BC 012129	Mechanisms of olfactory neuroblastoma tumorigenesis

Laboratory of Cellular Oncology	Lowy, Douglas	ZIA BC 008905	Tumor gene expression in vitro and in vivo
Laboratory of Cellular Oncology	Lowy, Douglas	ZIA BC 010579	Papillomavirus Virion Proteins and Vaccines
Laboratory of Cancer Biology and Genetics	Luo, Ji	ZIA BC 011303	Non-oncogene addiction in cancer cells
Laboratory of Cancer Biology and Genetics	Luo, Ji	ZIA BC 011304	Methods for mammalian genetic analysis
Laboratory of Cancer Biology and Genetics	Luo, Ji	ZIA BC 011732	Target discovery and combination therapy in KRAS mutant cancer
Laboratory of Cancer Biology and Genetics	Luo, Ji	ZIA BC 011733	Organoid models of KRAS mutant cancer
Laboratory of Cancer Biology and Genetics	Luo, Ji	ZIA BC 012155	Factors that influence age-dependent Ras mutant cancer development in mice
Cancer Data Science Laboratory	Ma, Lichun	ZIA BC 012079	Tumor heterogeneity in liver cancer
Cancer Data Science Laboratory	Ma, Lichun	ZIA BC 012083	Tumor evolution in response to treatment
Developmental Therapeutics Branch	Machida, Yuichi	ZIA BC 012086	DNA Replication and Repair
Cancer and Developmental Biology Laboratory	Mackem, Susan	ZIA BC 011118	Role of Shh in developmental patterning and growth of digit skeleton
Cancer and Developmental Biology Laboratory	Mackem, Susan	ZIA BC 011119	Hoxd and Gli3-Hoxd interaction roles in Hedgehog regulated digit morphogenesis
Cancer and Developmental Biology Laboratory	Mackem, Susan	ZIA BC 011120	Genome-wide target analysis of Shh-activated transcription network in limb bud
Cancer and Developmental Biology Laboratory	Mackem, Susan	ZIA BC 011835	Minimal Myc functional threshold for tumorigenesis
Genitourinary Malignancies Branch	Madan, Ravi	ZIA BC 011896	Evaluation of novel treatments in biochemically recurrent prostate
Genitourinary Malignancies Branch	Madan, Ravi	ZIA BC 011897	Evaluation of Immune-based Combinations in Prostate Cancer
Genitourinary Malignancies Branch	Madan, Ravi	ZIA BC 012118	Natural History of Biochemically Recurrent Prostate Cancer
HIV Dynamics and Replication Program	Maldarelli, Frank	ZIA BC 010819	HIV-1 Genetic Variation in Infected Individuals
HIV Dynamics and Replication Program	Maldarelli, Frank	ZIA BC 011464	Clinical Interventional Studies of HIV Reservoirs
HIV Dynamics and Replication Program	Maldarelli, Frank	ZIA BC 011466	HIV Persistence During Suppressive Antiretroviral Therapy
Cancer Innovation Laboratory	Matsuo, Hiroshi	ZIC BC 011849	Structural studies of biomolecules related to cancer and HIV-AIDS
Experimental Immunology Branch	Mayer, Christian	ZIA BC 011975	Regulation of self-tolerance and adaptive immunity by cell death and other cues
Experimental Immunology Branch	Mayer, Christian	ZIA BC 012038	Antibody responses to viruses
Pediatric Oncology Branch	McEachron, Troy	ZIA BC 012056	Identification of immune evasion mechanisms in the osteosarcoma microenvironment
Vaccine Branch	McKinnon, Katherine	ZIC BC 010936	CCR Vaccine Branch FACS Core
Cancer Innovation Laboratory	McVicar, Daniel	ZIA BC 010300	Immunometabolism in Cancer and Inflammation
Chemical Biology Laboratory	Meier, Jordan	ZIA BC 011488	Chemical Biology Platforms to Define the Metabolism-Epigenetics Interface
Genetics Branch	Meltzer, Paul	ZIA BC 010759	Functional Genomics of Sarcoma
Genetics Branch	Meltzer, Paul	ZIA BC 011091	Cancer Genomics Technology Development
Genetics Branch	Meltzer, Paul	ZIA BC 011328	Characterization of the Osteosarcoma Genome

Laboratory of Pathology	Merino, Maria	ZIE SC 000853	Translational Surgical Pathology
Laboratory of Pathology	Merino, Maria	ZIA BC 010696	Study of Hereditary Renal and Other Familial Syndromes
Laboratory of Pathology	Merino, Maria	ZIA BC 011405	microRNA Profiling in the Spectrum of Kidney Tumors
Laboratory of Pathology	Merino, Maria	ZIA BC 011406	miRNA profiling of prostate cancer in young and older male patients
Laboratory of Pathology	Merino, Maria	ZIA BC 012016	Immunotherapy of kidney cancer. Where do the T lymphocytes go in kidney cancer?
Laboratory of Cancer Biology and Genetics	Merlino, Glenn	ZIA BC 008756	Genetically Engineered Mouse Models to Study Melanoma Genesis and Progression
Laboratory of Cancer Biology and Genetics	Merlino, Glenn	ZIA BC 011167	Preclinical Mouse Models for Studying Immune Checkpoint Inhibitor Response
Laboratory of Pathology	Miettinen, Markku	ZID BC 011291	General Surgical Pathology
Laboratory of Pathology	Miettinen, Markku	ZIA BC 011427	Immunohistochemical and genomic analysis of tumors
Laboratory of Cellular and Molecular Biology	Mili, Stavroula	ZIA BC 011501	Regulation and functional effects of localized RNAs
Radiation Oncology Branch	Miller, Robert	ZID SC 006329	Clinical Radiation Physics Service
Radiation Oncology Branch	Miller, Robert	ZIA SC 006330	Radiation Field Modeling and Computerized Treatment Planning
Radiation Oncology Branch	Miller, Robert	ZIA BC 010516	Gated Optical Detectors-Dose Guided Radiotherapy
Laboratory of Receptor Biology and Gene Expression	Misteli, Tom	ZIA BC 010309	Nuclear Architecture and Disease
Office of the Director	Misteli, Tom	ZIC BC 011021	Basic Research Support for the CCR
Office of the Director	Misteli, Tom	ZID BC 011022	Clinical Research Support for the CCR
Office of the Director	Misteli, Tom	ZIJ BC 011133	CCR Office of Training and Education
Office of the Director	Misteli, Tom	ZIC BC 011933	Office of Translational Resources
Radiation Biology Branch	Mitchell, James	ZIA SC 006321	Modulation of Therapeutic Response
Radiation Biology Branch	Mitchell, James	ZIA SC 006387	Nitroxides as Protectors Against Oxidative Stress
Radiation Biology Branch	Mitchell, James	ZIA BC 010946	Protection against Radiation-Induced Carcinogenesis
HIV and AIDS Malignancy Branch	Mitsuya, Hiroaki	ZIA SC 006738	Development of Antiviral Therapy of HIV-1 Infection
HIV and AIDS Malignancy Branch	Mitsuya, Hiroaki	ZIA BC 011486	Development of Novel Agents Active against Hepatitis B Virus
HIV and AIDS Malignancy Branch	Mitsuya, Hiroaki	ZIA BC 012018	Development of therapeutics for SARS-CoV-2 infection
Laboratory of Cancer Biology and Genetics	Mock, Beverly	ZIA BC 010008	The Genetics of Susceptibility to Mouse Plasma Cell Tumors
Laboratory of Cancer Biology and Genetics	Mock, Beverly	ZIA BC 011064	A Modifier of Plasmacytoma Susceptibility Maps to Mouse Chr 1
Laboratory of Cancer Biology and Genetics	Mock, Beverly	ZIA BC 011065	Preclinical Testing of Drug Combinations (HDAC, mTOR, CDK and MYC Inhibitors)
Laboratory of Cell and Developmental Signaling	Morrison, Deborah	ZIA BC 010329	Regulation of Ras-Dependent Signal Transduction Pathways
Laboratory of Cell and Developmental Signaling	Morrison, Deborah	ZIA BC 011107	Role of Protein Scaffolds in RTK-Ras-dependent Signal Transduction
Mouse Cancer Genetics Program	Muegge, Kathrin	ZIA BC 010014	Epigenetic control during embryogenesis

Lymphoid Malignancies Branch	Muppidi, Jagan	ZIA BC 011772	The role of Galpha13 signaling in suppression of lymphoma
Laboratory of Cancer Biology and Genetics	Murgai, Meera	ZIA BC 012006	Perivascular plasticity in metastatic microenvironments
Laboratory of Cancer Biology and Genetics	Muthuswamy, Senthil	ZIA BC 012132	Tumor organoids and cell polarity: models and mechanisms for cancer research
Developmental Therapeutics Branch	Neckers, Jane	ZIC SC 006743	Signal Transduction Events and the Regulation of Cell Growth
Urologic Oncology Branch	Neckers, Leonard	ZIA SC 010074	HSP90 and HSP70Chaperone Proteins and Interactors in Cellular Signal Transduction
Urologic Oncology Branch	Neckers, Leonard	ZIA BC 010683	Role of FH loss in development of HLRCC hereditary kidney cancer
Urologic Oncology Branch	Neckers, Leonard	ZIA BC 011032	Post-translational modifications of Hsp90
Pediatric Oncology Branch	Nellan, Anandani	ZIA BC 012059	Study of CAR T cells and mechanisms of resistance in pediatric brain tumors
Lymphoid Malignancies Branch	Ng, Samuel	ZIA BC 012122	Targeting exploitable vulnerabilities in T-cell Lymphoma
Pediatric Oncology Branch	Nguyen, Hong Ha Rosa	ZIA BC 012066	Development of new therapies for neuroblastoma
Chemical Biology Laboratory	Nicklaus, Marc	ZIC BC 010517	Large Databases of Small Molecules - Drug Development Tool and Public Resource
Chemical Biology Laboratory	Nicklaus, Marc	ZIA BC 010524	HIV Integrase Modeling and Computer-Aided Inhibitor and Microbicide Development
Chemical Biology Laboratory	Nicklaus, Marc	ZIC BC 010639	In Silico Screening for Cancer Targets
Chemical Biology Laboratory	Nicklaus, Marc	ZIA BC 010832	Fundamentals of Ligand-Protein Interactions
Chemical Biology Laboratory	Nicklaus, Marc	ZIA BC 011666	Synthetically Accessible Virtual Inventory (SAVI)
Chemical Biology Laboratory	Nicklaus, Marc	ZIA BC 011785	Better Understanding and Handling of Tautomerism
Surgical Oncology Program	Nilubol, Naris	ZIA BC 011286	Therapeutic targets and novel anticancer agents for endocrine cancers
Laboratory of Genome Integrity	Nussenzweig, Andre	ZIA BC 010283	DNA repair
Laboratory of Genome Integrity	Nussenzweig, Andre	ZIA BC 010959	Relationship between DNA damage detection and signaling
Cancer Innovation Laboratory	Nussinov, Ruth	ZIA BC 010440	Protein Structure, Stability, and Amyloid Formation
Cancer Innovation Laboratory	Nussinov, Ruth	ZIA BC 010441	Biomolecular Recognition and Binding Mechanisms
Cancer Innovation Laboratory	Nussinov, Ruth	ZIA BC 010442	Method Development: Efficient Computer Vision Based Algorithms
Laboratory of Integrative Cancer Immunology	O'Huigin, Colm	ZIC BC 011237	LICI Microbiome and Genetics Core
Molecular Targets Program	O'Keefe, Barry	ZIA BC 011471	Cell-free assay technologies for the identification of active compounds
Molecular Targets Program	O'Keefe, Barry	ZIA BC 011472	Isolation of bioactive proteins from natural product extracts
Office of the Director	O'Keefe, Barry	ZIA BC 011854	NCI Program for Natural Products Discovery - Cures
Molecular Targets Program	O'Keefe, Barry	ZIA BC 011904	Assay development and screening for molecular targets and discovery
Center for Structural Biology	O'Reilly, Francis	ZIA BC 012113	Discovery of novel protein complexes across human gut bacteria
Center for Structural Biology	O'Reilly, Francis	ZIA BC 012114	The topology of protein-protein interactions in situ in eukaryotic cells
Laboratory of Receptor Biology and Gene Expression	Oberdoerffer, Shalini	ZIA BC 011293	Cytidine modifications in mRNA processing and function

Immune Deficiency and Cellular Therapy Program	Pai, Sung-Yun	ZID BC 012026	ID-CTP Clinical Core
Immune Deficiency and Cellular Therapy Program	Pai, Sung-Yun	ZIA BC 012039	Pathobiology and treatment of patients with severe combined immunodeficiency
Immune Deficiency and Cellular Therapy Program	Pai, Sung-Yun	ZIA BC 012040	Pathobiology and treatment of patients with inborn errors of immunity
Center for Immuno-Oncology	Palena, Claudia	ZIA BC 010937	Novel Targets for Immunotherapy
Laboratory of Cellular and Molecular Biology	Pallikkuth, Sandeep	ZIC BC 010978	Confocal Core for the Laboratory of Cellular and Molecular Biology
Experimental Immunology Branch	Park, Jung-Hyun	ZIA BC 011214	Post-Transcriptional Regulation of Interleukin-7 Receptor Expression
Experimental Immunology Branch	Park, Jung-Hyun	ZIA BC 011215	Immune Regulatory Roles of Suppressor Of Cytokine Signaling (SOCS) Molecules
Surgery Branch	Parkhurst, Maria	ZIC BC 011030	The Antigen Targeting Core
Laboratory of Molecular Biology	Pastan, Ira	ZIA BC 010298	Growth Regulation Section
Laboratory of Molecular Biology	Pastan, Ira	ZIA BC 008753	Immunotoxin Therapy of Solid and Hematopoietic Tumors: Preclinical Studies
Laboratory of Molecular Biology	Pastan, Ira	ZIA BC 012074	CAR-T Therapy of Mesothelin Expressing Cancers
HIV Dynamics and Replication Program	Pathak, Vinay	ZIA BC 010595	Structure and Function of Vif and APOBEC3 (A3) Proteins
HIV Dynamics and Replication Program	Pathak, Vinay	ZIA BC 011436	Viral Replication and Interactions with Host Factors
Immune Deficiency and Cellular Therapy Program	Pavletic, Steven	ZIA BC 011743	NIH Chronic GVHD Study Group
Immune Deficiency and Cellular Therapy Program	Pavletic, Steven	ZIA BC 012017	NIH Myeloid Malignancy Program
Laboratory of Receptor Biology and Gene Expression	Pegoraro, Gianluca	ZIC BC 011567	HiTIF Microscopy Core Facility
Neuro-Oncology Branch	Penas-Prado, Marta	ZIA BC 012134	Development of new treatments for rare CNS tumors
Urologic Oncology Branch	Pinto, Peter	ZIE BC 011023	Clinical Fellowship Training Program
Urologic Oncology Branch	Pinto, Peter	ZIA BC 011081	Prostate Section
Developmental Therapeutics Branch	Pommier, Yves	ZIA BC 011746	Development Therapeutics Branch Clinical Trials
Developmental Therapeutics Branch	Pommier, Yves	ZIA BC 006161	DNA Topoisomerases as nuclear and mitochondrial targets of Anticancer Drugs
Developmental Therapeutics Branch	Pommier, Yves	ZIA BC 006150	DNA Repair, Cell Cycle Checkpoints and Apoptosis as Targets for Anticancer Drugs
Developmental Therapeutics Branch	Pommier, Yves	ZIA BC 011948	TOP3B as host factor and drug target
Thoracic and GI Malignancies Branch	Porat-Shliom, Natalie	ZIA BC 011828	Hepatic mitochondria organization and functions
Laboratory of Pathology	Pratt, Drew	ZIA BC 012117	DNA methylation-based machine classification of cancer
Cancer Data Science Laboratory	Rajagopal, Padma	ZIA BC 012057	Leveraging RNA and synthetic lethality in germline BRCA-mut breast cancer
Cancer Data Science Laboratory	Rajagopal, Padma	ZIA BC 012058	Identifying Treatment Options using RNA-Based Synthetic Lethality and Rescue
Cancer Data Science Laboratory	Rajagopal, Padma	ZIA BC 012112	Germline-Somatic Interactions and Association with Treatment Response in Cancer
Cancer Data Science Laboratory	Rajagopal, Padma	ZIA BC 012144	Long-Read DNA Sequencing and RNA Sequencing in LFS-Like Families
Cancer Data Science Laboratory	Rajagopal, Padma	ZIA BC 012145	IDENTIFY Study: Natural History of Maternal Neoplasia

Office of the Clinical Director	Rajan, Arun	ZID BC 011543	Medical Oncology Service Clinical Core
Office of the Clinical Director	Rajan, Arun	ZID BC 011683	Medical Oncology HIV-AIDS Clinical Research
Thoracic and GI Malignancies Branch	Rajan, Arun	ZIA BC 011900	Pilot Study of Avelumab in Thymic Epithelial Tumors
Thoracic and GI Malignancies Branch	Rajan, Arun	ZIA BC 011902	Anetumab in Thymic Carcinoma
Thoracic and GI Malignancies Branch	Rajan, Arun	ZIA BC 011905	Anti-PD-L1-TGFb antibody (M7824) in advanced non-small cell lung cancer
Thoracic and GI Malignancies Branch	Rajan, Arun	ZIA BC 011906	CV301 and Anti-PD-1 Therapy in Non-Small Cell Lung Cancer
Thoracic and GI Malignancies Branch	Rajan, Arun	ZIA BC 011907	Durvalumab in Combination with Olaparib in Non-Small Cell Lung Cancer
Thoracic and GI Malignancies Branch	Rajan, Arun	ZIA BC 012001	Phase II Trial of Bintrafusp Alfa in Subjects with Thymoma and Thymic Carcinoma
Thoracic and GI Malignancies Branch	Rajan, Arun	ZIA BC 012106	A Phase II Trial of PT-112 in Subjects with Thymoma and Thymic Carcinoma
Laboratory of Molecular Biology	Ramamurthi, Kumaran	ZIA BC 011211	Subcellular protein localization in B. subtilis
HIV and AIDS Malignancy Branch	Ramaswami, Ramya	ZIA BC 011954	Targeted therapies for Kaposi sarcoma and KSHV-multicentric Castleman disease
Laboratory of Cellular and Molecular Biology	Randazzo, Paul	ZIA BC 007365	Regulation of ADP-ribosylation factor
Pediatric Oncology Branch	Reilly, Karlyne	ZIA BC 011754	Molecular, Cellular and Genetic Analyses of Malignancies Associated with NF1
Pediatric Oncology Branch	Reilly, Karlyne	ZIA BC 012152	Biology and molecular vulnerabilities in SMARCB1-deficient tumors
HIV Dynamics and Replication Program	Rein, Alan	ZIA BC 010511	Retrovirus Assembly and Maturation
HIV Dynamics and Replication Program	Rein, Alan	ZIA BC 010512	Interactions of Retroviral Proteins with Nucleic Acids
HIV Dynamics and Replication Program	Rein, Alan	ZIA BC 011325	Retrovirus Biology
Developmental Therapeutics Branch	Reinhold, William	ZIC BC 011475	Genomics and Bioinformatics Group web site development and maintenance
Developmental Therapeutics Branch	Reinhold, William	ZIC BC 011497	RNA data development of cancer cell lines and patients
Developmental Therapeutics Branch	Reinhold, William	ZIC BC 011509	Comparison of molecular factors to drug activities
Developmental Therapeutics Branch	Reinhold, William	ZIC BC 011820	DNA data development for cancer cell lines and patients
Genetics Branch	Ried, Thomas	ZIA BC 010834	Identifying Diagnostic Markers for Cervical, Breast, and Prostate Cancer
Surgery Branch	Robbins, Paul	ZIC BC 010948	DNA Sequencing and FACS Core Facilities
Laboratory of Pathology	Roberts, David	ZIA SC 009174	Roles of CD47 Signaling in Tumor Immunology
Laboratory of Pathology	Roberts, David	ZIA SC 009172	Cellular Interactions with Thrombospondin
Experimental Immunology Branch	Roche, Paul	ZIA BC 009404	Regulation of MHC Class II Trafficking in Antigen Presenting Cells
Experimental Immunology Branch	Roche, Paul	ZIA BC 011035	Regulation of Exocytosis from Immune Cells
Experimental Immunology Branch	Roche, Paul	ZIA BC 011687	Dysregulation of Antigen Presenting Cell Function in Cancer
Developmental Therapeutics Branch	Roper, Nitin	ZIA BC 011989	Epigenetic and immunologic aspects of neuroendocrine cancers
Developmental Therapeutics Branch	Roper, Nitin	ZIA BC 012053	Developing ACC patient-derived organoids to identify therapeutic vulnerabilities

Lymphoid Malignancies Branch	Roschewski, Mark	ZIA BC 011914	Molecular Biology of Lymphoma
Lymphoid Malignancies Branch	Roschewski, Mark	ZIA BC 011916	Pathway inhibitors in Lymphomas
Lymphoid Malignancies Branch	Roschewski, Mark	ZIA BC 012136	Checkpoint inhibitor treatment for EBV+ lymphoma among HIV+ individuals
Surgery Branch	Rosenberg, Steven	ZIA BC 010984	Adoptive Cell Transfer Immunotherapy of Cancer
Surgery Branch	Rosenberg, Steven	ZIA BC 010985	Gene therapy of cancer
OCD-OD Admin	Royce, Cheryl	ZID BC 010882	Center for Cancer Research Clinical Trials Support
OCD-OD Admin	Royce, Cheryl	ZID BC 010987	Center for Cancer Research Patient Travel
OCD-OD Admin	Royce, Cheryl	ZID BC 011716	CCR Research Nursing
Pediatric Oncology Branch	Rudloff, Udo	ZIA BC 011267	Preclinical drug development in pancreatic cancer
Laboratory of Genome Integrity	Ruiz Macias, Sergio	ZIA BC 011808	Role of ETS-Transcription Factors in Regulating Cell Fate
Laboratory of Genome Integrity	Ruiz Macias, Sergio	ZIA BC 011809	Identification of molecular pathways regulating quiescence in pluripotent cells
Laboratory of Genome Integrity	Ruiz Macias, Sergio	ZIA BC 011813	Molecular Determinants of Totipotency
Cancer Data Science Laboratory	Ruppín, Eytan	ZIA BC 011802	Discovery of genetic interactions in cancer
Cancer Data Science Laboratory	Ruppín, Eytan	ZIA BC 011803	Cancer immunotherapy
Surgical Oncology Program	Sadowski, Samira	ZIA BC 011899	Targeted Therapy in Neuroendocrine Cancer
Cancer Data Science Laboratory	Sahinalp, Suleyman Cenk	ZIA BC 011987	Tumor evolution and intratumor heterogeneity
Cancer Data Science Laboratory	Sahinalp, Suleyman Cenk	ZIA BC 011988	Privacy Preserving Genome Analysis
Thoracic and GI Malignancies Branch	Saloura, Vassiliki	ZIA BC 011831	The Role of Protein Methylation in Squamous Cell Carcinoma of the Head and Neck
Thoracic and GI Malignancies Branch	Saloura, Vassiliki	ZIA BC 011859	IMRRT for Locoregionally Recurrent Head and Neck Squamous Cell Carcinoma
Thoracic and GI Malignancies Branch	Saloura, Vassiliki	ZIA BC 012089	Neoadjuvant Photoimmunotherapy in Head and Neck Cancer
Thoracic and GI Malignancies Branch	Saloura, Vassiliki	ZIA BC 012151	Valemetostat in combination with pembrolizumab in head and neck cancer
Laboratory of Cellular and Molecular Biology	Samelson, Lawrence	ZIA BC 010304	Biochemical Basis of T Cell Activation
Laboratory of Cellular Oncology	Schiller, John	ZIA BC 009052	Understanding Papillomavirus Virion Proteins and Vaccines
Center for Immuno-Oncology	Schlom, Jeffrey	ZIA BC 010425	Strategies for Cancer Immunotherapy Clinical Trials
Center for Immuno-Oncology	Schlom, Jeffrey	ZIA BC 010598	Human Immune Responses to Tumor Antigens for Cancer Immunotherapy
Center for Immuno-Oncology	Schlom, Jeffrey	ZIA BC 010944	Strategies for Cancer Immunotherapy Development: Preclinical Studies
Chemical Biology Laboratory	Schneekloth, John	ZIA BC 011585	Identification of Nucleic Acid Binding Small Molecules
Chemical Biology Laboratory	Schneekloth, John	ZIC BC 011958	Medicinal Chemistry Core
Chemical Biology Laboratory	Schneekloth, John	ZIA BC 011970	Targeting Functional RNA Elements in the SARS-CoV-2 Genome
Chemical Biology Laboratory	Schneider, Joel	ZIA BC 011313	Design and Utility of Novel Proteinaceous Biomaterials

Chemical Biology Laboratory	Schneider, Joel	ZIA BC 011314	Development of antibacterial agents and materials
Chemical Biology Laboratory	Schneider, Joel	ZIC BC 011515	Chemical Synthesis Group
Chemical Biology Laboratory	Schnermann, Martin	ZIA BC 011506	New Synthetic Approaches to Small Molecules for Imaging
Chemical Biology Laboratory	Schnermann, Martin	ZIA BC 011564	Applying Optical Approaches to the Drug Delivery Problem
Thoracic Surgery Branch	Schrump, David	ZIA SC 010093	Epigenetic Therapy for Thoracic Malignancies
Thoracic Surgery Branch	Schrump, David	ZIA BC 011115	Epigenetic Mechanisms of Gene Expression in Thoracic Malignancies
Thoracic Surgery Branch	Schrump, David	ZIA BC 011418	Modulating Cancer Stem Cell Signaling in Thoracic Malignancies
Thoracic Surgery Branch	Schrump, David	ZID BC 011911	Thoracic Surgery Consultative Services
Pediatric Oncology Branch	Shah, Nirali	ZIA BC 011823	Clinical Development of Novel Therapies for Acute Lymphoblastic Leukemia
Pediatric Oncology Branch	Shah, Nirali	ZIA BC 011927	Clinical Development of Immunotherapies for Rare Hematologic Malignancies
Mouse Cancer Genetics Program	Sharan, Shyam	ZIA BC 010387	Functional Analysis of Breast Cancer Susceptibility Genes in Mice
Mouse Cancer Genetics Program	Sharan, Shyam	ZIA BC 011181	Functional Analysis of Human Breast Cancer Susceptibility Gene Variants
Mouse Cancer Genetics Program	Sharan, Shyam	ZIA BC 011311	Identification of genetic interactors of Brca2
Center for Advanced Preclinical Research	Sharan, Shyam	ZIG BC 011735	Development of Novel Informative Preclinical Animal Models - CAPR Infrastructure
Center for Advanced Preclinical Research	Sharan, Shyam	ZIA BC 011736	Preclinical Development of Therapeutics in Murine Models of Lung Cancer
Center for Advanced Preclinical Research	Sharan, Shyam	ZIA BC 011737	Therapeutic evaluation in ovarian and breast cancer GEM-GDA models
Center for Advanced Preclinical Research	Sharan, Shyam	ZIA BC 011738	Preclinical GEM and GDA Models of Primary and Metastatic Melanoma
Center for Advanced Preclinical Research	Sharan, Shyam	ZIA BC 011739	Development and Preclinical Applications of Pancreatic Adenocarcinoma Models
Center for Advanced Preclinical Research	Sharan, Shyam	ZIA BC 011848	Preclinical Modelling and Therapeutic Development for Other Cancer Indications
Pediatric Oncology Branch	Sherm, John	ZIA BC 011722	Genomic characterization and development of therapies for pediatric sarcoma
Pediatric Oncology Branch	Sherm, John	ZIA BC 011734	Genomic dissection of tumor heterogeneity and progression
OCD-OD Admin	Shorer, Shy	ZID BC 011875	Office of Sponsor and Regulatory Oversight
Laboratory of Cancer Biology and Genetics	Simpson, R. Mark	ZIG BC 010931	Comparative Biomedical Scientist Training Program
Laboratory of Cancer Biology and Genetics	Simpson, R. Mark	ZIC BC 010953	Computational Molecular Pathology Research for Cancer Diagnostics and Biomarkers
Experimental Immunology Branch	Singer, Alfred	ZIA BC 009273	T Cell Differentiation and Repertoire Selection
Experimental Immunology Branch	Singer, Alfred	ZIA BC 011106	Specification of T cell function during development
Experimental Immunology Branch	Singer, Alfred	ZIA BC 011111	Cytokine signaling in developing thymocytes and T cells
Experimental Immunology Branch	Singer, Alfred	ZIA BC 011112	Development and function of regulatory T cells
Experimental Immunology Branch	Singer, Alfred	ZIA BC 011113	T cell survival
Experimental Immunology Branch	Singer, Alfred	ZIA BC 011114	Role of microRNAs in T cell development

Experimental Immunology Branch	Singer, Alfred	ZIA BC 011116	MHC-independent T cells
Experimental Immunology Branch	Singer, Alfred	ZIA BC 011117	T cell receptor regulation of cytokine signaling
Experimental Immunology Branch	Singer, Dinah	ZIA SC 010375	TAF7: A Check-point Regulator in Transcription Initiation and Translation
Experimental Immunology Branch	Singer, Dinah	ZIA BC 011381	Brd4 is an atypical kinase that regulates transcription
Experimental Immunology Branch	Singer, Dinah	ZIA BC 011688	In vivo function of BRD4
Experimental Immunology Branch	Singer, Dinah	ZIA BC 011883	BRD4 Contributes to the Regulation of Alternative Splicing
Experimental Immunology Branch	Singer, Dinah	ZIA BC 012042	Transgenerational Epigenetic Inheritance Mediated by a Core Promoter Element
Experimental Immunology Branch	Singer, Dinah	ZIA BC 012146	Regulation of BRD4 Function
Radiation Oncology Branch	Smart, DeeDee	ZIA BC 011222	CNS sirtuins in radiation-induced vascular permeability and neurodegeneration
Radiation Oncology Branch	Smart, DeeDee	ZIA BC 011333	Neuropsychological outcome measures in patients receiving whole brain radiation
Radiation Oncology Branch	Smart, DeeDee	ZIA BC 011790	Metabolic imaging of the effects of brain radiotherapy
Laboratory of Genitourinary Cancer Pathogenesis	Sowalsky, Adam	ZIA BC 011679	Molecular alterations driving the development of primary prostate cancers
Laboratory of Genitourinary Cancer Pathogenesis	Sowalsky, Adam	ZIA BC 011680	Detection of prostate cancer using circulating tumor DNA
Laboratory of Genitourinary Cancer Pathogenesis	Sowalsky, Adam	ZIA BC 011838	Mechanisms of resistance to treatment in aggressive prostate cancers
Urologic Oncology Branch	Srinivasan, Ramaprasad	ZIA BC 011648	Targeting Genetic and Metabolic Alterations in Distinct Subtypes of RCC
Urologic Oncology Branch	Srinivasan, Ramaprasad	ZIA BC 011920	Novel Approaches to Targeting Cancers Associated with VHL Mutations
Mouse Cancer Genetics Program	St. Croix, Brad	ZIA BC 010484	Functional Analysis of TEM5 and TEM8
Mouse Cancer Genetics Program	St. Croix, Brad	ZIA BC 010578	Targeting TEMs in Preclinical Tumor Models
Mouse Cancer Genetics Program	St. Croix, Brad	ZIA BC 010736	Unraveling the function of CD276
Laboratory of Cellular Oncology	Starrett, Gabriel	ZIA BC 011894	Biology of Virus-associated Cancers
Lymphoid Malignancies Branch	Staudt, Louis	ZIA BC 011006	Molecular diagnosis and outcome prediction in lymphoma
Lymphoid Malignancies Branch	Staudt, Louis	ZIA BC 011007	Functional genomic screens for molecular targets in cancer
Lymphoid Malignancies Branch	Staudt, Louis	ZIA BC 011008	Oncogenic mechanisms and molecular targets in lymphoma
Lymphoid Malignancies Branch	Staudt, Louis	ZIA BC 011780	Clinical development of mechanism-based lymphoma therapies
Women's Malignancies Branch	Steeg, Patricia	ZIA SC 000892	Molecular Biology of the Metastatic Phenotype
Women's Malignancies Branch	Steeg, Patricia	ZIA BC 010538	Molecular Analysis of Breast Cancer Metastasis to the Brain
Women's Malignancies Branch	Steeg, Patricia	ZIA BC 011718	Breast cancer aggressiveness in young patients
OCD-OD Admin	Steinberg, Seth	ZID SC 007202	Biostatistics and Data Management Section
Laboratory of Cell and Developmental Signaling	Sterneck, Esta	ZIA BC 010307	Molecular Mechanisms Regulating Mouse Mammary Gland and Human Breast Tumor Cells
Laboratory of Pathology	Stetler-Stevenson, William	ZIA SC 009179	The Role of TIMPs in Cell Growth, Tumor Progression and Metastasis

Laboratory of Pathology	Stetler-Stevenson, William	ZIA BC 011204	Development of TIMP-2 derivatives or strategies as biologic therapies for cancer
Radiation Oncology Branch	Stracker, Travis	ZIA BC 012010	Tousled like kinase signaling in cancer
Radiation Oncology Branch	Stracker, Travis	ZIA BC 012012	Identification of radiosensitizers for prostate cancer
Center for Immuno-Oncology	Strauss, Julius	ZIA BC 011547	Cancer Immunotherapy Clinical Trials
Experimental Immunology Branch	Takahama, Yousuke	ZIA BC 011806	Thymus biology
Laboratory of Genitourinary Cancer Pathogenesis	Takeda, David	ZIA BC 011965	Mechanism of epigenetic activation during disease progression
Laboratory of Genitourinary Cancer Pathogenesis	Takeda, David	ZIA BC 011973	Identification of epigenetic drivers of advanced prostate cancer
Laboratory of Cell Biology	Tanner, Kandice	ZIA BC 011433	The Role of Coherent Rotation in Adult Tissue Remodeling
Laboratory of Cell Biology	Tanner, Kandice	ZIA BC 011524	Mechanical regulation of the microenvironmental niche in skin tumorigenesis
Laboratory of Cell Biology	Tanner, Kandice	ZIA BC 011559	The role of the tumor biofilm in determining tissue tropism
Laboratory of Cell Biology	Tanner, Kandice	ZIA BC 011903	Synthetic bacteria as a targeted delivery system for small molecule therapeutics
Center for Structural Biology	Tarasov, Sergey	ZIC BC 010965	CCR Biophysics Resource Core
Cancer Innovation Laboratory	Tarasova, Nadya	ZIA BC 011306	Inhibitors of protein-protein interactions
Cancer Innovation Laboratory	Tarasova, Nadya	ZIA BC 011944	Development of COVID-19 cell entry inhibitors
Pediatric Oncology Branch	Taylor, Naomi	ZIA BC 011923	Metabolic regulation of T cell effector function and anti-tumor immunotherapy
Pediatric Oncology Branch	Taylor, Naomi	ZIA BC 011924	Metabolic programs regulating hematopoietic stem cell differentiation
Laboratory of Pathology	Telford, William	ZIC BC 011138	FACS Core Facility
Laboratory of Pathology	Telford, William	ZIC BC 011139	Application of novel laser technology for flow cytometric analysis
Neuro-Oncology Branch	Terabe, Masaki	ZIA BC 011877	Immunological Analysis of Brain Cancer
Mouse Cancer Genetics Program	Tessarollo, Lino	ZIA BC 010391	Role of Trk Receptors in the Development and Function of Non-neuronal Structures
Mouse Cancer Genetics Program	Tessarollo, Lino	ZIA BC 010390	Role of Neurotrophins in the Development of the Mammalian Nervous System
Mouse Cancer Genetics Program	Tessarollo, Lino	ZIC BC 011265	Gene Targeting Facility
Pediatric Oncology Branch	Thiele, Carol	ZIA BC 010788	Regulation of Differentiation of Pediatric Embryonal Tumors-Neuroblastoma
Pediatric Oncology Branch	Thiele, Carol	ZIA BC 010789	Pathophysiologic Consequences of Survival Signaling in Neuroblastoma
Pediatric Oncology Branch	Thiele, Carol	ZIA BC 012046	Neuroblastoma Tumor Microenvironment: tumor growth and immune regulation
Office of the Director	Thiele, Carol	ZID BC 012137	Childhood Cancer Data Initiative
Developmental Therapeutics Branch	Thomas, Anish	ZIA BC 011793	Exploiting DNA Replicative Stress for Novel Small Cell Lung Cancer Therapies
Radiation Oncology Branch	Tofilon, Philip	ZIA BC 011372	Microenvironmental regulation of glioblastoma radiosensitivity
Radiation Oncology Branch	Tofilon, Philip	ZIA BC 011373	Radiation-induced translational control of gene expression
Laboratory of Cellular Oncology	Tosato, Giovanna	ZIA SC 010355	Angiogenesis and Tumor Growth

Laboratory of Cellular Oncology	Tosato, Giovanna	ZIA SC 010356	A Role for KSHV in the Pathogenesis of Malignancies
Laboratory of Cellular Oncology	Tosato, Giovanna	ZIA BC 010782	Study of the Roles of SDF1 and CXCR4 in Hematopoiesis
Laboratory of Integrative Cancer Immunology	Trinchieri, Giorgio	ZIA BC 010793	Role of inflammation, innate resistance, and immunity in carcinogenesis
Laboratory of Integrative Cancer Immunology	Trinchieri, Giorgio	ZIA BC 011152	Regulation of human dendritic cell activation
Laboratory of Integrative Cancer Immunology	Trinchieri, Giorgio	ZIA BC 011153	Role of microbiome in cancer and inflammation
Molecular Imaging Branch	Turkbey, Ismail	ZIH BC 012032	CCR Artificial Intelligence Resource
Molecular Imaging Branch	Turkbey, Ismail	ZIA BC 012062	Imaging, image guided biopsy and treatment of prostate cancer
Center for Structural Biology	Valkov, Anna	ZIC BC 012081	Protein Technology Core
RNA Biology Laboratory	Valkov, Eugene	ZIA BC 011977	Molecular Mechanisms of mRNA Regulation and Decay
Laboratory of Biochemistry and Molecular Biology	Vidigal, Joana	ZIA BC 011810	Canonical and non-canonical roles of Argonaute proteins in mammals
Laboratory of Biochemistry and Molecular Biology	Vidigal, Joana	ZIA BC 011811	CRISPR tools to dissect the coding and non-coding genome
Urologic Oncology Branch	Vocke, Cathy	ZIC BC 011044	Tissue Processing-Sequencing Facility
Laboratory of Cancer Biology and Genetics	Wakefield, Lalage	ZIA BC 005785	TGF-betas in breast cancer progression
Laboratory of Cancer Biology and Genetics	Wakefield, Lalage	ZIA BC 010881	Development of TGF-beta antagonists for cancer therapy
Center for Structural Biology	Walters, Kylie	ZIA BC 011490	Ubiquitin signaling for protein degradation
Center for Structural Biology	Walters, Kylie	ZIA BC 011627	Mechanisms of function and targeting for complexes relevant to cancer biology
Laboratory of Pathology	Wang, Hao-Wei	ZIC SC 009372	Flow cytometric analysis of benign and malignant tumors
Laboratory of Pathology	Wang, Hao-Wei	ZIC BC 011093	Flow cytometric detection of malignant cells in body fluids
Laboratory of Pathology	Wang, Hao-Wei	ZIC BC 011104	Flow cytometric evaluation of biomarkers
Cancer Innovation Laboratory	Wang, Ji Ming	ZIA BC 010015	The Role of Cellular Receptors Involved in Inflammation and Tumor Progression
Cancer Innovation Laboratory	Wang, Ji Ming	ZIA BC 010725	Role of Formylpeptide Receptors in Host Defense
Laboratory of Human Carcinogenesis	Wang, Limin	ZIC BC 012048	Identification of viral exposure signatures for early detection of liver cancer
Laboratory of Human Carcinogenesis	Wang, Xin Wei	ZIA BC 005793	Roles of microbiota-mediated hepatocarcinogenesis
Laboratory of Human Carcinogenesis	Wang, Xin Wei	ZIA BC 010313	Molecular signatures for liver cancer diagnosis and treatment stratification
Laboratory of Human Carcinogenesis	Wang, Xin Wei	ZIA BC 010876	The role of cancer stem cells in liver cancer heterogeneity and subtypes
Laboratory of Human Carcinogenesis	Wang, Xin Wei	ZIA BC 010877	The identification of human hepatocellular carcinoma metastasis genes
Center for Structural Biology	Wang, Yun-Xing	ZIA BC 010379	Search for the Structural Basis of Biomacromolecular Function and Activity
Center for Structural Biology	Wang, Yun-Xing	ZIC BC 011535	SAXS Core
Center for Structural Biology	Wang, Yun-Xing	ZIA BC 011669	NCI X-ray free electron laser (XFEL) initiative
Laboratory of Cellular and Molecular Biology	Weigert, Roberto	ZIA BC 011682	Molecular mechanisms of membrane remodeling

Laboratory of Cellular and Molecular Biology	Weigert, Roberto	ZIC BC 012030	Intravital Microscopy Core
Cancer Innovation Laboratory	Weissman, Allan	ZIA BC 009392	Determining the Fate of Transmembrane Proteins
Cancer Innovation Laboratory	Weissman, Allan	ZIA BC 010292	Enzymes and Substrates of the Ubiquitin Conjugating System
Laboratory of Cell and Developmental Signaling	Westlake, Christopher	ZIA BC 011398	Regulation of Ciliogenesis and Ciliary-related signaling
Developmental Therapeutics Branch	Weyemi, Urbain Sossou	ZIA BC 012071	Dialogue between genomic instability and metabolism in diseases
Laboratory of Molecular Biology	Wickner, Sue	ZIA BC 008710	Molecular Chaperones and DNA Replication
Pediatric Oncology Branch	Widemann, Brigitte	ZIA SC 010354	Therapies for patients with rare tumors and genetic tumor predisposition
Office of the Director	Widemann, Brigitte	ZIA BC 011852	MyPART: My Pediatric and Adult Rare Tumor Network - Cures
Office of the Director	Wiener, Lori	ZIA BC 011874	Graft-Versus-Host Disease Symptom Management-Cures
Lymphoid Malignancies Branch	Wilson, Wyndham	ZIA SC 006741	Therapeutic Strategies and Molecular Correlates in Aggressive B-cell Lymphomas
Lymphoid Malignancies Branch	Wilson, Wyndham	ZIA BC 011354	Targeted treatment of B-cell Lymphoma
Cancer Innovation Laboratory	Wink, David	ZIA SC 007281	Nitric Oxide as a Modifier of Oxidative Stress
Cancer Innovation Laboratory	Wink, David	ZIA BC 010898	Redox Mechanism Process of Angiogenesis and Wound Healing
Cancer Innovation Laboratory	Wink, David	ZIA BC 010899	Inflammation and cancer treatment
Cancer Innovation Laboratory	Wink, David	ZIA BC 011190	Chemical Biology of Nitroxyl (HNO)
Office of the Director	Winkler-Pickett, Robin	ZIC BC 011596	CCR Dedicated Cores
Experimental Immunology Branch	Wisniewski, Jan	ZIC BC 010915	EIB Microscopy Core Facility
Center for Structural Biology	Wlodawer, Alexander	ZIA BC 010348	Protein Structure
Center for Structural Biology	Wlodawer, Alexander	ZIA BC 011966	Chimeric ACE2 peptide ligand for diagnostic assays of SARS-CoV-2
Laboratory of Pathology	Wloka, Kaska	ZIC BC 012115	Clinical Research Correlatives Core
Cancer Innovation Laboratory	Wolf, Matthew	ZIA BC 012021	Cancer Biomaterials Engineering
RNA Biology Laboratory	Wolin, Sandra	ZIA BC 011757	Biogenesis, Function and Turnover of Noncoding RNAs
Office of the Director	Wood, Bradford	ZID BC 011242	Center for Interventional Oncology
Office of the Director	Wood, Bradford	ZIA BC 011936	Development of COVID-19 and Cancer Tools with Artificial Intelligence
Experimental Immunology Branch	Wu, Chuan	ZIA BC 011755	Inter- and intra-epithelial regulation for intestinal barrier integrity
Experimental Immunology Branch	Wu, Chuan	ZIA BC 011801	T cell regulation for intestinal barrier function
Experimental Immunology Branch	Wu, Chuan	ZIA BC 012034	Immune-neuron crosstalk regulates intestinal homeostasis
RNA Biology Laboratory	Wu, Colin (Chih-Chien)	ZIA BC 012037	Noncanonical functions of the ribosome in response to cellular stress
Neuro-Oncology Branch	Wu, Jing	ZIA BC 011840	Discovering novel therapies for glioma patients
Neuro-Oncology Branch	Wu, Jing	ZIA BC 011841	Understanding IDH mutant gliomas

Laboratory of Pathology	Xi, Liqiang	ZIC BC 011079	Molecular Diagnostics Core Laboratory
Laboratory of Pathology	Xi, Liqiang	ZID BC 011792	Development of FISH Molecular Diagnostics to support Clinical Trials at NCI
Laboratory of Pathology	Xi, Liqiang	ZID BC 011959	NCI COMPASS-Comprehensive Oncologic Molecular Pathology and Sequencing Service
Laboratory of Cell Biology	Xia, Di	ZIA BC 010319	Structural Basis of Biological Membrane Protein Functions and Drug Resistance
Laboratory of Cell Biology	Xia, Di	ZIA BC 010600	AAA Proteins, Their Functions and Related Diseases
Laboratory of Cell Biology	Xia, Di	ZIA BC 011972	Mechanism of Inhibition of Entry Inhibitors against SARS-CoVs
Thoracic and GI Malignancies Branch	Xie, Changqing	ZIA BC 011888	Cancer Stem Cells in Cholangiocarcinoma
Cancer and Developmental Biology Laboratory	Yamaguchi, Terry	ZIA BC 010345	The Role of Wnt Genes in Vertebrate Development and Cancer
Neuro-Oncology Branch	Yang, Chun Zhang	ZIA BC 011684	Chemo-sensitizing IDH1-mutated glioma by molecular targeting
Neuro-Oncology Branch	Yang, Chun Zhang	ZIA BC 011761	Nrf2-governed metabolic reprogram in IDH1-mutated glioma
Neuro-Oncology Branch	Yang, Chun Zhang	ZIA BC 011876	Establish Preclinical Model for IDH-mutated Glioma
Surgery Branch	Yang, James	ZIA BC 011337	Generation of T-cell receptors recognizing antigens on non-melanoma tumors
Surgery Branch	Yang, James	ZIA BC 011651	Laboratory and Clinical studies on T-cells recognizing NSCLC
Surgery Branch	Yang, James	ZIA BC 011843	Identification and use of T-cell receptors recognizing common tumor mutations
Surgery Branch	Yang, James	ZIA BC 012153	Studying Immune Recognition of Epithelial Cancers Using Organoids
Laboratory of Cancer Biology and Genetics	Yang, Li	ZIA BC 011163	Myeloid TGFbeta signaling in breast cancer metastasis
Laboratory of Cancer Biology and Genetics	Yang, Li	ZIA BC 011165	Roles of tumor suppressors (TSs) in metastatic progression
HIV and AIDS Malignancy Branch	Yarchoan, Robert	ZIA SC 006737	Development of Preventive Strategies and Therapy for HIV Infection
HIV and AIDS Malignancy Branch	Yarchoan, Robert	ZIA BC 010885	Study of Tumor Pathogenesis and Development of Therapies for AIDS Malignancies
HIV and AIDS Malignancy Branch	Yarchoan, Robert	ZIA BC 010888	Clinical Trials of Patients with AIDS-Related Malignancies
HIV and AIDS Malignancy Branch	Yarchoan, Robert	ZIA BC 011945	Study of and development of antiviral drugs against SARS-CoV2 protease
Laboratory of Cell and Developmental Signaling	Yohe, Marielle	ZIA BC 011804	Dual Blockade of IGF1R and MEK synergistically inhibits pediatric cancers
Laboratory of Cell and Developmental Signaling	Yohe, Marielle	ZIA BC 011869	Advancing RAS and RASopathy Therapies
Laboratory of Cell and Developmental Signaling	Yohe, Marielle	ZIA BC 011892	Targeting RAS in Pediatric Cancer
Laboratory of Cell and Developmental Signaling	Yohe, Marielle	ZIA BC 011993	Regulation of differentiation and invasion in RMS by ASAP1
Laboratory of Cell and Developmental Signaling	Yohe, Marielle	ZIA BC 012148	The role of SMARCA1 in Rhabdomyosarcoma and Skeletal Muscle Differentiation
Chemical Biology Laboratory	Yoo, Euna	ZIA BC 011961	Synthesis and characterization of covalent ligands
Chemical Biology Laboratory	Yoo, Euna	ZIA BC 011962	Understanding functional roles and regulation of granzymes
Chemical Biology Laboratory	Yoo, Euna	ZIA BC 011963	Targeting ISG15 and USP18
Cancer Data Science Laboratory	Youkharibache, Philippe	ZIA BC 011990	Structural basis of viral RBDs binding to cell receptors

Cancer Data Science Laboratory	Youkharibache, Philippe	ZIA BC 011997	CAR and Antibodies Structure-Activity Relationships and molecular architecture
Cancer Data Science Laboratory	Youkharibache, Philippe	ZIH BC 012005	Structural data science methods and software to study immunotherapeutic proteins
Cancer Innovation Laboratory	Young, Howard	ZIA BC 009283	Consequences of chronic Interferon-gamma expression on the host
Lymphoid Malignancies Branch	Young, Ryan	ZIA BC 011999	Identifying novel modes of oncogenic signaling in multiple myeloma
OCD-OD Admin	Zeiger, Martha	ZIE BC 011992	Training and Development of Outstanding Surgeon Scientists
Center for Structural Biology	Zhang, Ping	ZIA BC 011744	Mechanistic Analyses of kinase signaling complexes
Laboratory of Cellular and Molecular Biology	Zhang, Ying	ZIA BC 010419	Molecular Mechanisms of TGF-beta Signaling Pathway
Laboratory of Cellular and Molecular Biology	Zhang, Ying	ZIA BC 011168	Physiological and pathological functions of E3 ubiquitin ligases Smurfs
Thoracic and GI Malignancies Branch	Zhao, Chen	ZIA BC 012008	Study interactions between lung microbiota and immune cells in NSCLC
Thoracic and GI Malignancies Branch	Zhao, Chen	ZIA BC 012011	Investigate heterogeneous neutrophils in NSCLC
HIV Dynamics and Replication Program	Zheng, Zhi-Ming	ZIA SC 010357	Gene Expression and Post-Transcriptional Regulation of DNA Tumor Viruses
Neuro-Oncology Branch	Zhuang, Zhengping	ZIA BC 011773	Hypoxia signaling in cancer development
Laboratory of Cell Biology	Zhurkin, Victor	ZIA BC 010844	DNA Folding in Chromatin at the Supra-nucleosome Level
Laboratory of Cell Biology	Zhurkin, Victor	ZIA BC 010845	p53-induced Regulation of Transcription in the Chromatin Context
HIV and AIDS Malignancy Branch	Ziegelbauer, Joseph	ZIA BC 011176	Functions of KSHV microRNAs and circular RNAs
HIV and AIDS Malignancy Branch	Ziegelbauer, Joseph	ZIA BC 012047	Virus host interactions in clinical samples