

Z Numbers - 2020 Completed Projects

2020 Project Z Numbers

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Lab/Branch	PI Name	Z Number	Project Title
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
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	Mesothelin-targeted immunotoxins in Pancreatic Cancer
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 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
Laboratory of Cancer Immunometabolism	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 GU 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
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
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
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
Laboratory of Cellular and Molecular Biology	Barr, Valarie	ZIC BC 010978	Confocal Core for the Laboratory of Cellular and Molecular Biology
Genetics Branch	Basrai, Munira	ZIA BC 010822	Molecular Determinants of Chromosome Transmission and Cell Cycle Regulation
Laboratory of Cell Biology	Batchelor, Eric	ZIA BC 011382	Systems-level analysis of the regulation and function of p53 dynamics
Laboratory of Cell Biology	Batchelor, Eric	ZIA BC 011487	Systems-level analysis of the regulation and function of MYC
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	Antigen-specific T-cell Activation, Application to Vaccines for Cancer and AIDS
Vaccine Branch	Berzofsky, Jay	ZIA BC 011941	Studies of the SARS-CoV-2 Spike Protein
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
Laboratory of Genome Integrity	Bhandoola, Avinash	ZIA BC 011633	T cell Development and Regeneration
Office of the Clinical Director	Bilusic, Marijo	ZIE BC 010843	NIH Hematology Oncology Fellowship Program
Laboratory of Immune Cell Biology	Bosselut, Remy	ZIA BC 010671	Genetic Analysis of T-cell Differentiation
Urologic Oncology Branch	Bottaro, Donald	ZIA BC 011095	Hypoxia and Tyrosine Kinase Signaling Integration in Urologic Cancers
Urologic Oncology Branch	Bottaro, Donald	ZIA BC 011124	Oncogenic Met Signaling in Urologic Malignancies
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
Office of the Director	Brownell, Isaac	ZIA BC 011393	Development and regulation of stem cell lineages in skin
Office of the Director	Brownell, Isaac	ZIA BC 011394	Molecular pathogenesis and therapy innovation for Merkel cell carcinoma
Office of the Director	Brownell, Isaac	ZIA BC 011450	Clinical treatment of advanced Merkel cell carcinoma
Office of the Director	Brownell, Isaac	ZIA BC 011930	Investigation of skin disease
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
Laboratory of Metabolism	Bustin, Michael	ZIA BC 004496	Chromosomal Proteins and Chromosomal Functions
Laboratory of Metabolism	Bustin, Michael	ZIA BC 011154	Biological Functions of Chromosomal Proteins
Experimental Transplantation and Immunotherapy Branch	Buxbaum, Nataliya	ZIA BC 011725	Immunometabolism and metabolic imaging of graft-versus-host disease
Experimental Transplantation and Immunotherapy Branch	Buxbaum, Nataliya	ZID BC 011729	Chronic graft-versus-host disease in children and young adults
Experimental Transplantation and Immunotherapy Branch	Buxbaum, Nataliya	ZIA BC 011777	Stable Water Isotope Labeling for Imaging of Rapidly Proliferating Cells
Structural Biophysics Laboratory	Byrd, R. Andrew	ZIA BC 011131	Investigation of Protein-Protein Interactions in the ERAD Ubiquitylation Pathway
Structural Biophysics Laboratory	Byrd, R. Andrew	ZIA BC 011132	Methods Development
Structural Biophysics Laboratory	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	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
Laboratory of Cancer Immunometabolism	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
Basic Research Laboratory Bethesda	Chattoraj, Dhruba	ZIA BC 010277	Mechanisms of Chromosome Maintenance in Bacteria
Laboratory of Biochemistry and Molecular Biology	Chen, Chongyi	ZIA BC 011884	The dynamics of chromatin topology in human cells
Thoracic Surgery Branch	Chen, Haobin	ZIA BC 011787	Predictive biomarker of BET bromodomain inhibitor in Small cell lung cancer
Thoracic Surgery Branch	Chen, Haobin	ZIA BC 011839	Developing an Effective BET bromodomain inhibitor Drug Combo to Target SCLC
Office of Science and Technology Resources	Chen, Jinqiu	ZIC BC 011434	Collaborative Protein Technology Resource - Nano-Scale Protein Analysis Section
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 Program	Choyke, Peter	ZIA BC 010654	Lymphatic Imaging
Molecular Imaging Program	Choyke, Peter	ZIA BC 010655	Prostate Cancer Imaging
Molecular Imaging Program	Choyke, Peter	ZIA BC 010656	Growth Factor Imaging and Photoimmunotherapy
Molecular Imaging Program	Choyke, Peter	ZIA BC 010657	Cellular In vivo Imaging
Molecular Imaging Program	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	Citrin, Deborah	ZIA BC 011762	Screening to identify protectors and mitigators of Radiation GI Syndrome
Radiation Oncology Branch	Coleman, C. Norman	ZIA BC 010670	Radiation-induced molecular targets
HIV DRP Retroviral Replication Laboratory	Compton, Alex	ZIA BC 011756	An Intrinsic Link between the Metabolic and Antiviral States of the Cell
HIV DRP Retroviral Replication Laboratory	Compton, Alex	ZIA BC 011778	Quantitative Single-Cell Assessment of Lentivirus Susceptibility Determinants
HIV DRP Retroviral Replication Laboratory	Compton, Alex	ZIA BC 011779	Mechanisms of Virus Entry into Cells and Antiviral Barriers Limiting Entry
HIV DRP Retroviral Replication Laboratory	Compton, Alex	ZIA BC 011935	CRISPR-Cas9 Screen for SARS-CoV-2 Host Dependency Factors
HIV DRP Retroviral Replication Laboratory	Compton, Alex	ZIA BC 011967	Deciphering the Double-Edged Role of IFITM3 during SARS-CoV-2 Infection
Genetics Branch	Conner, Elizabeth	ZIC BC 011623	CCR Genomics Core
Laboratory of Biochemistry and Molecular Biology	Cooper, Julia	ZIA BC 011519	Telomere Biology
RNA Biology Laboratory	Court, Donald	ZIA BC 010336	Lambda Genetic Networks and Lambda Red-Mediated Recombination
RNA Biology Laboratory	Court, Donald	ZIA BC 011934	Bacteriophage Lambda vaccine displaying coronavirus antigens
Office of the Director	Cowen, Edward	ZID BC 011317	Dermatology Consultation Service
Office of the Director	Cowen, Edward	ZIA BC 011549	Chronic graft-versus-host disease
Office of the Director	Cowen, Edward	ZIA BC 011550	Anakinra for neutrophilic pustular skin disease
Urologic Oncology Branch	Crooks, Daniel	ZIC BC 011932	Metabolomics Core
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
Genitourinary Malignancies Branch	Dahut, William	ZIA SC 010098	The Evaluation of Novel Therapeutics for Genitourinary Malignancies
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	Genome wide profiling of histone variants in tumors
Laboratory of Receptor Biology and Gene Expression	Dalal, Yamini	ZIA BC 011207	Analysis of centromere identity and structure in human 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
Macromolecular Crystallography Laboratory	Dauter, Zbigniew	ZIA BC 010378	Macromolecular Crystallography Research with Synchrotron Radiation
Cancer and Developmental Biology Laboratory	Davies, Erin	ZIA BC 012009	Mechanisms underlying establishment of regeneration competence
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

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	ZIA 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 Cancer Immunometabolism	Durum, Scott	ZIA BC 009287	Cytokines and T Cell Development
Laboratory of Cancer Immunometabolism	Durum, Scott	ZIA BC 011150	Chronic Inflammation and Carcinogenesis
Genetics Branch	Edelman, Daniel	ZIC BC 011040	Molecular Profiling of Clinical Specimens
Genetics Branch	Edelman, Daniel	ZIC BC 011041	Technical Development of Molecular Profiling Technologies
Molecular Imaging Program	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	Prevention of AIDS
Vaccine Branch	Felber, Barbara	ZIA BC 011940	COVID-19 vaccine development research
Genitourinary Malignancies Branch	Figg, William	ZIA SC 006538	Development of Angiogenesis Inhibitors
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 011974	COVID-19 Genetics and Drug Development
Office of the Clinical Director	Figg, William	ZIA BC 011996	Clinical Pharmacology & 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
HIV DRP Retroviral Replication Laboratory	Freed, Eric	ZIA BC 010778	HIV-1 Maturation
HIV DRP Retroviral Replication Laboratory	Freed, Eric	ZIA BC 011720	Gag Trafficking, Assembly, and Release
HIV DRP Retroviral Replication Laboratory	Freed, Eric	ZIA BC 011721	Envelope Glycoprotein Incorporation
HIV DRP Retroviral Replication Laboratory	Freed, Eric	ZIA BC 011968	Antagonism of Coronavirus Spike Proteins by Cellular Host Factors

Laboratory of Tumor Immunology and Biology	Gatti-Mays, Margaret	ZIA BC 011865	Breast and Other Carcinoma Clinical Trials Using Immunotherapies
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	Brain Tumor Immunotherapy
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
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
Laboratory of Metabolism	Gonzalez, Frank	ZIA BC 005562	Xenobiotic receptors
Laboratory of Metabolism	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 011730	Studies on drug resistance in HIV-related Kaposi sarcoma
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
Office of the Director	Greten, Tim	ZIA BC 011855	Center for Cell-based Therapy - Cures
Thoracic and GI Malignancies Branch	Greten, Tim	ZIA BC 011947	The effect of hydroxychloroquine treatment on immune checkpoint inhibitors
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
Thoracic and GI Malignancies Branch	Guha, Udayan	ZIA BC 011410	Protein phosphorylation downstream of mutant EGFR kinases
Thoracic and GI Malignancies Branch	Guha, Udayan	ZIA BC 011529	In-patient hospice and rapid autopsy to interrogate tumor heterogeneity
Thoracic and GI Malignancies Branch	Guha, Udayan	ZIA BC 011672	Clinical Protocols in the Cancer Signaling Networks Section
Thoracic and GI Malignancies Branch	Guha, Udayan	ZIA BC 012013	Integrated proteogenomics to identify neopeptides presented by MHC Class I
Genitourinary Malignancies Branch	Gulley, James	ZIA BC 010666	Cancer Therapy Clinical Trials Using Novel Recombinant Vaccines
Genitourinary Malignancies Branch	Gulley, James	ZIA BC 010945	Clinical trials employing cancer vaccine combination therapies
Office of the Clinical Director	Gulley, James	ZID BC 011543	Medical Oncology Service Clinical Core
Office of the Clinical Director	Gulley, James	ZID BC 011683	Medical Oncology HIV-AIDS Clinical Research
Molecular Targets Program	Gustafson, Kirk	ZIA BC 011568	Natural Products Discovery and Characterization Through Network Collaborations
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
Laboratory of Receptor Biology and Gene Expression	Hager, Gordon	ZIA BC 010646	Chromatin Remodeling Proteins
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 011374	Allotransplant for DOCK8 deficiency
Immune Deficiency and Cellular Therapy Program	Hickstein, Dennis	ZIA BC 011994	Allogeneic Hematopoietic Transplantation for Primary Immunodeficiency Diseases
Genitourinary Malignancies Branch	Hinrichs, Christian	ZIA BC 011479	T-cell receptor gene therapy for cancer
Office of the Director	Hinrichs, Christian	ZIA BC 011871	T-Cell Receptor Gene Therapy for Human Cancers-Cures
Laboratory of Molecular Biology	Ho, Mitchell	ZIA BC 010891	Development of new antibody-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 & 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
Laboratory of Tumor Immunology and Biology	Hodge, James	ZIA BC 010661	Vaccine and Drug Combination Therapy for Human Cancers
Laboratory of Tumor Immunology and Biology	Hodge, James	ZIA BC 010975	Vaccine and radiation for the therapy of human cancers
Basic Research Laboratory	Hou, Steven	ZIA BC 010738	Molecular Genetic Study of Stem Cells, Cancer Stem Cells, and Stem Cell Aging
HIV DRP Retroviral Replication Laboratory	Hu, Wei-Shau	ZIA BC 010504	Understanding Retroviral Reverse Transcription, Recombination, and Replication
HIV DRP Retroviral Replication Laboratory	Hu, Wei-Shau	ZIA BC 010506	Defining Mechanisms of HIV1 RNA Trafficking, Virus Assembly and Virion Structure
HIV DRP Retroviral Replication Laboratory	Hu, Wei-Shau	ZIA BC 010814	Elucidating the Regulation of HIV RNA Functions and Genome Packaging
HIV DRP Retroviral Replication Laboratory	Hu, Wei-Shau	ZIA BC 011969	Development of Cell-based Assays to Identify SARS-CoV-2 Protease Inhibitor
Laboratory of Cancer Immunometabolism	Hu, Yinling	ZIA BC 011212	Functions of IKK alpha in Skin Homeostasis and Skin Tumorigenesis
Laboratory of Cancer Immunometabolism	Hu, Yinling	ZIA BC 011391	Role of IKK alpha in lung cancer development
Laboratory of Cancer Immunometabolism	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

HIV DRP Retroviral Replication Laboratory	Hughes, Stephen	ZIA BC 010481	HIV-1 Reverse Transcriptase
HIV DRP Retroviral Replication Laboratory	Hughes, Stephen	ZIA BC 011426	HIV-1 Integrase
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	Signaling pathways regulating stem cell fate decisions
Laboratory of Cellular and Molecular Biology	Iglesias-Bartolome, Ramiro	ZIA BC 011764	G-protein-coupled receptor signaling in cancer development and treatment
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
Macromolecular Crystallography Laboratory	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 010328	Role of C/EBP transcription factors in cell growth and tumorigenesis
Laboratory of Pathology	Jones, Jennifer	ZIA BC 011502	Characterization of Biological Nanoparticle Subsets
Laboratory of Pathology	Jones, Jennifer	ZIA BC 011503	Discovery of Tumor and Treatment Response Biomarkers
Laboratory of Pathology	Jones, Jennifer	ZIA BC 011942	Translational Nanobiology Approaches to SARS-CoV2
Experimental Transplantation and Immunotherapy Branch	Kanakry, Christopher	ZIA BC 011659	Deciphering the efficacy of posttransplant cyclophosphamide in BMT
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 Angiogenesis 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
RNA Biology Laboratory	Kashlev, Mikhail	ZIA BC 011202	Mechanism of transcription-coupled DNA repair and transcription mutagenesis
HIV DRP Host-Virus Interaction Branch	Kearney, Mary	ZIA BC 011681	Dynamics and Genetics of HIV Proviruses before and during Antiretroviral Therapy
HIV DRP Host-Virus Interaction Branch	Kearney, Mary	ZIA BC 011697	Effects of Antiretroviral Therapy on Transcriptional Activity of HIV Proviruses
HIV DRP Host-Virus Interaction Branch	Kearney, Mary	ZIA BC 011698	Impact of Interventions on Clonally Expanded Proviruses and Their RNA Expression
HIV DRP Host-Virus Interaction Branch	Kearney, Mary	ZIA BC 011699	Ultrasensitive Single-Genome Sequencing to Study HIV Transmission and Evolution
HIV DRP Host-Virus Interaction Branch	Kearney, Mary	ZIA BC 011995	Assessment of SARS-Coronavirus-2 Levels and Genetics in Vivo

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 010802	Tumor stem cells and metastatic outcomes in mouse models of prostate cancer
Laboratory of Genitourinary Cancer Pathogenesis	Kelly Siebenlist, Kathleen	ZIA BC 011053	TMPRSS2-ERG chromosomal translocations and prostate cancer
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 Biochemistry and Molecular Biology	Kelly, Alexander	ZIA BC 011491	Role of kinetochore proteins in chromosome segregation
Laboratory of Cell and Developmental Signaling	Kettenhofen, Christine	ZIC BC 011956	Zebrafish core
Basic Research Laboratory	KewalRamani, Vineet	ZIA BC 010487	The role of CPSF6 in HIV-1 infection
Basic Research Laboratory	KewalRamani, Vineet	ZIA BC 010488	HIV-1 passage through the nuclear pore complex
Basic Research Laboratory	KewalRamani, Vineet	ZIA BC 011461	HIV-1 evasion of cytosolic factors
Genetics Branch	Khan, Javed	ZIA SC 010366	Identification of Genes for Predicting Prognosis in Pediatric Cancers
Genetics Branch	Khan, Javed	ZIA BC 010806	Developing Novel Therapies for Neuroblastoma and Rhabdomyosarcoma
Genetics Branch	Khan, Javed	ZIA BC 010998	Identification of Novel Mutations In Pediatric Cancers
Genetics Branch	Khan, Javed	ZIA BC 010999	Targeting FGFR4, RAS, and PAX3-FOXO1 gene in Rhabdomyosarcoma
Genetics Branch	Khan, Javed	ZIA BC 011002	Bioinformatics: Systems Biology of Pediatric 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
Laboratory of Metabolism	Kimura, Shioko	ZIA BC 005522	Thyroid regeneration and carcinogenesis
Laboratory of Metabolism	Kimura, Shioko	ZIA BC 010449	Role of Novel Cytokine Secretoglobulin (SCGB) 3A2 in Lung
Laboratory of Pathology	Kleiner, David	ZIC BC 010685	Postmortem Pathology
Molecular Imaging Program	Kobayashi, Hisataka	ZIA BC 011512	Activatable molecular cancer imaging probe
Molecular Imaging Program	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
Office of the Director	Kong, Heidi	ZIA BC 010914	Gene Expression Profiling and Clinical Characterization of Phototoxicity
Office of the Director	Kong, Heidi	ZIA BC 010938	Studies of Skin Microflora in Healthy Individuals and Atopic Dermatitis Patients
Office of the Director	Kong, Heidi	ZIA BC 010940	Cutaneous Adverse Drug Reactions
Office of the Director	Kong, Heidi	ZIA BC 011558	Effects of systemic and topical perturbations on human microbes

Office of the Director	Kong, Heidi	ZIA BC 011881	Investigating the microbiome in persons living with HIV
Laboratory of Cancer Biology and Genetics	Kraemer, Kenneth	ZIA BC 004517	DNA Repair in Human Cancer-Prone Genetic Diseases
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
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 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
Laboratory of Cell Biology	Lavi, Orit	ZIA BC 011758	Predicting the probabilistic complex invasive map of GBM cells
Laboratory of Cell Biology	Lavi, Orit	ZIA BC 011926	Predicting the adaptation processes of GBM cells due to spatiotemporal stimuli
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
Basic Research Laboratory	Le Grice, Stuart	ZIA BC 010493	Nucleic Acid Footprinting and development of small molecule antagonists
Basic Research Laboratory	Le Grice, Stuart	ZIA BC 010494	Small molecule targeting viral nucleotidyltransferases
Basic Research Laboratory	Le Grice, Stuart	ZIA BC 011824	Structural studies with regulatory RNAs
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 Program	Leblanc, Amy	ZIG BC 011689	Comparative Oncology Trials Consortium
Molecular Imaging Program	Leblanc, Amy	ZIA BC 011692	Comparative Oncology Program Laboratory
Molecular Imaging Program	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
Laboratory of Metabolism	Lee, Kyung	ZIA BC 010681	Development of inhibitors targeting Plk1 polo-box domain
Laboratory of Metabolism	Lee, Kyung	ZIA BC 011518	Molecular basis of centriole duplication
Laboratory of Cancer Biology and Genetics	Lee, Maxwell	ZIH BC 011703	Integrated analyses of genetics, epigenetics, and gene expression
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 Program	Lin, Frank	ZIA BC 011789	Phase 2 study of Lu-177-DOTATATE in inoperable paraganglioma - pheochromocytoma
Molecular Imaging Program	Lin, Frank	ZIA BC 011825	Th227-mesothelin and Zr89-mesothelin antibody conjugate in mesothelin tumors
Molecular Imaging Program	Lin, Frank	ZIA BC 011826	Protection of Salivary Gland in PSMA-targeted radioligand therapy
Molecular Imaging Program	Lin, Frank	ZIA BC 011827	Phase 1-2 study of Lu177-DOTATATE and olaparib in neuroendocrine tumors
Molecular Imaging Program	Lin, Frank	ZIA BC 011895	Improving PSMA-based radioligand therapy via combination radioligand therapy
Laboratory of Cancer Immunometabolism	Lin, Pengnian Charles	ZIA BC 011390	Vascular Biology Section
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
Laboratory of Protein Dynamics and Signaling	Loncarek, Jadranka	ZIA BC 011459	Control of centrosome biogenesis

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	Role of the protein SUMOylation pathway in Ras-driven oncogenesis
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 011437	Combinatorial genetic analysis using validated siRNA libraries
Laboratory of Cancer Biology and Genetics	Luo, Ji	ZIA BC 011438	Genetic screens for target discovery in cancer
Laboratory of Cancer Biology and Genetics	Luo, Ji	ZIA BC 011732	Discovery of combination therapy for KRAS mutant cancer
Laboratory of Cancer Biology and Genetics	Luo, Ji	ZIA BC 011733	Mechanism of anchorage independent growth driven by the KRAS oncogene
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 011121	Role of Brachyury in regulating notochord development and neoplasia
Cancer and Developmental Biology Laboratory	Mackem, Susan	ZIA BC 011319	Role of FIR in limb morphogenesis
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 immunotherapy-novel treatments in biochemically recurrent prostate
Genitourinary Malignancies Branch	Madan, Ravi	ZIA BC 011897	Evaluation of Immune-based Combinations in Metastatic Prostate Cancer
Genitourinary Malignancies Branch	Madan, Ravi	ZIA BC 011898	Development of Immunotherapy for Medullary Thyroid Cancer
HIV DRP Host-Virus Interaction Branch	Maldarelli, Frank	ZIA BC 010819	HIV-1 Genetic Variation in Infected Individuals
HIV DRP Host-Virus Interaction Branch	Maldarelli, Frank	ZIA BC 011464	Clinical Interventional Studies of HIV Reservoirs
HIV DRP Host-Virus Interaction Branch	Maldarelli, Frank	ZIA BC 011466	HIV Persistence During Suppressive Antiretroviral Therapy
Basic Research Laboratory	Matsuo, Hiroshi	ZIC BC 011849	Structural studies of biomolecules related to cancer and HIV-AIDS
Experimental Immunology Branch	Mayer, Christian	ZIA BC 011975	Apoptosis and B lymphocyte tolerance
Vaccine Branch	McKinnon, Katherine	ZIC BC 010936	CCR Vaccine Branch FACS Core
Laboratory of Cancer Immunometabolism	McVicar, Daniel	ZIA BC 010300	Immunometabolism in Cancer and Inflammation
Chemical Biology Laboratory	Meier, Jordan	ZIA BC 011488	Chemical Biology Platforms to Define the Interface of Metabolism & Modifications
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

Office of the Director	Nagao, Keisuke	ZIA BC 011561	Exploring mechanisms that govern immune homeostasis in skin
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 Chaperone 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
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 011336	Tools for Prediction of ADME-Tox Properties
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
Laboratory of Cancer Immunometabolism	Nussinov, Ruth	ZIA BC 010440	Protein Structure, Stability, and Amyloid Formation
Laboratory of Cancer Immunometabolism	Nussinov, Ruth	ZIA BC 010441	Biomolecular Recognition and Binding Mechanisms
Laboratory of Cancer Immunometabolism	Nussinov, Ruth	ZIA BC 010442	Method Development: Efficient Computer Vision Based Algorithms
Laboratory of Receptor Biology and Gene Expression	Oberdoerffer, Shalini	ZIA BC 011293	Cytidine modifications in mRNA processing and function
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
Laboratory of Cancer Immunometabolism	Oppenheim, Joost	ZIA BC 009369	Studies of Receptor Interactions and Effects of Alarmins
Laboratory of Cancer Immunometabolism	Oppenheim, Joost	ZIA BC 010707	Role of T Regulatory Cell Suppression in Autoimmunity and Cancer
Laboratory of Pathology	Pack, Svetlana	ZID BC 011792	Development of FISH Molecular Diagnostics to support Clinical Trials at NCI
Laboratory of Pathology	Pack, Svetlana	ZIC BC 011842	Molecular Mechanisms of Cancer Development
Laboratory of Pathology	Pack, Svetlana	ZID BC 011929	Methylation Array Profiling as a New Clinical Diagnostic Test
Laboratory of Tumor Immunology and Biology	Palena, Claudia	ZIC BC 010937	Novel Targets for Immunotherapy

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 010020	Clinical Trials with Immunotoxins
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
HIV DRP Retroviral Replication Laboratory	Pathak, Vinay	ZIA BC 010595	Structure and Function of Vif and APOBEC3 (A3) Proteins
HIV DRP Retroviral Replication Laboratory	Pathak, Vinay	ZIA BC 011436	Viral Replication and Interactions with Host Factors
Vaccine Branch	Pavlakakis, George	ZIA BC 010749	Immunotherapeutic Approaches for AIDS
Vaccine Branch	Pavlakakis, George	ZIA BC 010750	Heterodimeric IL-15 in Cancer Immunotherapy
Vaccine Branch	Pavlakakis, George	ZIA BC 011939	COVID-19 vaccine development
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
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 for SARS-CoV-2 replicative cycle
Thoracic and GI Malignancies Branch	Porat-Shliom, Natalie	ZIA BC 011828	Mitochondrial metabolism in normal and transformed cells
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
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
HIV DRP Retroviral Replication Laboratory	Rein, Alan	ZIA BC 010511	Retrovirus Assembly and Maturation
HIV DRP Retroviral Replication Laboratory	Rein, Alan	ZIA BC 010512	Interactions of Retroviral Proteins with Nucleic Acids
HIV DRP Retroviral Replication Laboratory	Rein, Alan	ZIA BC 011325	Retrovirus Biology
HIV DRP Retroviral Replication Laboratory	Rein, Alan	ZIA BC 011991	Actions of Restriction Factors on Coronaviruses
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 sequencing (RNA-Seq) of the NCI-60
Developmental Therapeutics Branch	Reinhold, William	ZIC BC 011509	Comparison of molecular factors to drug activities
Developmental Therapeutics Branch	Reinhold, William	ZIC BC 011622	Development of novel molecular or phenotypic databases
Developmental Therapeutics Branch	Reinhold, William	ZIC BC 011820	DNA methylation data development and for small cell lung cancer
Genetics Branch	Ried, Thomas	ZIA BC 010833	Global consequences of aneuploidy on gene expression and nuclear architecture
Genetics Branch	Ried, Thomas	ZIA BC 010834	Intratumor heterogeneity and tumor evolution
Genetics Branch	Ried, Thomas	ZIA BC 010837	Disease prognostication and treatment response in rectal cancer patients
Surgery Branch	Robbins, Paul	ZIC BC 010948	DNA Sequencing and FACS Core Facilities
Vaccine Branch	Robert-Guroff, Marjorie	ZIA BC 011058	Development of a Vaccine for HIV-AIDS: Humoral Immunity
Vaccine Branch	Robert-Guroff, Marjorie	ZIA BC 011062	Development of a Vaccine for HIV-AIDS: Cellular Immunity
Vaccine Branch	Robert-Guroff, Marjorie	ZIA BC 011063	Development of a Vaccine for HIV-AIDS: Translation to the Clinic
Laboratory of Pathology	Roberts, David	ZIA SC 009174	Roles of Glycoconjugates and Redox Signaling in Tumor Biology
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 011033	Mechanisms of MHC Class II Association with Plasma Membrane Microdomains
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 high-grade neuroendocrine cancers
Lymphoid Malignancies Branch	Roschewski, Mark	ZIA BC 011914	Molecular Biology of Lymphoma
Lymphoid Malignancies Branch	Roschewski, Mark	ZIA BC 011916	Pathway inhibitors in Lymphomas
Experimental Transplantation and Immunotherapy Branch	Rose, Jeremy	ZIC BC 010934	Immune reconstitution following autologous and allogeneic stem cell transplant
Experimental Transplantation and Immunotherapy Branch	Rose, Jeremy	ZIC BC 011029	Preclinical development and clinical monitoring of adoptive immune therapy
Surgery Branch	Rosenberg, Steven	ZIA BC 010763	Building on the success of the adoptive immunotherapy of cancer
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
Cancer Data Science Laboratory	Ruppín, Eytan	ZIA BC 012000	Discovering Affective Drug Combinations for Treating Covid-19
Laboratory of Human Carcinogenesis	Ryan, Brid	ZIA BC 011554	Lung Cancer Health Disparities
Laboratory of Human Carcinogenesis	Ryan, Brid	ZIA BC 011555	Gene-Environment Interactions in Lung Cancer
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
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
Laboratory of Tumor Immunology and Biology	Schlom, Jeffrey	ZIA BC 010425	Strategies for Cancer Immunotherapy Clinical Trials
Laboratory of Tumor Immunology and Biology	Schlom, Jeffrey	ZIA BC 010598	Human Immune Responses to Tumor Antigens for Cancer Immunotherapy
Laboratory of Tumor Immunology and Biology	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	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 Core
Chemical Biology Laboratory	Schneider, Joel	ZIC BC 011958	Medicinal Chemistry Core
Chemical Biology Laboratory	Schnermann, Martin	ZIA BC 011506	New Synthetic Approaches to Small Molecules for Imaging

Chemical Biology Laboratory	Schnermann, Martin	ZIA BC 011564	Near-IR Photorelease Chemistry: Discovery and Applications
Chemical Biology Laboratory	Schroeder, Christina	ZIA BC 011960	Discovery and characterisation of recifin
Chemical Biology Laboratory	Schroeder, Christina	ZIA BC 011998	Synthesis and Development of Trefoil Factor Peptides
Chemical Biology Laboratory	Schroeder, Christina	ZIA BC 012002	Development of imaging probes for surgery
Chemical Biology Laboratory	Schroeder, Christina	ZIA BC 012003	Discovery and development of voltage-gated sodium channel inhibitors
Chemical Biology Laboratory	Schroeder, Christina	ZIA BC 012004	conjugation of constrained peptides for cancer diagnostics
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	Development of Novel Therapies for Acute Lymphoblastic Leukemia
Pediatric Oncology Branch	Shah, Nirali	ZIA BC 011927	Clinical Development of Immunotherapies for Rare Hematologic Malignancies
RNA Biology Laboratory	Shapiro, Bruce	ZIA BC 008382	Computational Approaches for RNA Structure and Function Determination
RNA Biology Laboratory	Shapiro, Bruce	ZIA BC 011061	Computational and Experimental RNA Nanobiology
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
Experimental Immunology Branch	Sharrow, Susan	ZIC BC 009255	Application of Flow Cytometry to Cell Biology
Pediatric Oncology Branch	Shern, John	ZIA BC 011722	Genomic characterization and development of therapies for pediatric sarcoma
Pediatric Oncology Branch	Shern, 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 011882	Interactions Between MYC and BRD4 Result in Their Reciprocal Regulation
Experimental Immunology Branch	Singer, Dinah	ZIA BC 011883	BRD4 Contributes to the Regulation of Alternative Splicing
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
Basic Research Laboratory Bethesda	Smith, Gilbert	ZIA BC 010021	Biology of Mammary Gland Development and Tumorigenesis
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	RNA interference-based 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 011010	Oncogenic mechanisms and molecular targets in myeloma
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, Maryalice	ZIC SC 009372	Flow Cytometric Analysis of Benign and Malignant Tumors
Laboratory of Pathology	Stetler-Stevenson, Maryalice	ZIC BC 011093	Flow Cytometric Detection of Malignant Cells in Body Fluids
Laboratory of Pathology	Stetler-Stevenson, Maryalice	ZIC BC 011104	Flow Cytometric Evaluation of Biomarkers
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
Laboratory of Tumor Immunology and Biology	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 castration-resistant 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
Structural Biophysics Laboratory	Tarasov, Sergey	ZIC BC 010965	CCR Biophysics Resource Core
Laboratory of Cancer Immunometabolism	Tarasova, Nadya	ZIA BC 011306	Inhibitors of protein-protein interactions
Laboratory of Cancer Immunometabolism	Tarasova, Nadya	ZIA BC 011307	Self-assembling protoviral nanoparticles
Laboratory of Cancer Immunometabolism	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	Reprogramming hematopoietic stem cell (HSC) differentiation via metabolic condit
Experimental Transplantation and Immunotherapy Branch	Telford, William	ZIC BC 011138	ETIB FACS Core Facility
Experimental Transplantation and Immunotherapy Branch	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 Neurotrophin Activation of Trk in Neuroblastoma
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
Macromolecular Crystallography Laboratory	Tropea, Joseph	ZIC BC 011016	Protein Purification 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
Laboratory of Biochemistry and Molecular Biology	Vidigal, Joana	ZIA BC 011812	Dissecting the roles of Vault RNAs in mammals
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
Lymphoid Malignancies Branch	Waldmann, Thomas	ZIA SC 004002	IL-2:IL-15 : implications for cancer therapy (Investigator -Initiated Project)
Lymphoid Malignancies Branch	Waldmann, Thomas	ZIB BC 010906	Interleukin-15 Production for Treatment of Patients with Metastatic Malignancy
Lymphoid Malignancies Branch	Waldmann, Thomas	ZIA BC 011946	COVID-19 research efforts
Structural Biophysics Laboratory	Walters, Kylie	ZIA BC 011490	Ubiquitin signaling for protein degradation
Structural Biophysics Laboratory	Walters, Kylie	ZIA BC 011627	Mechanisms of function and targeting for complexes relevant to cancer biology
Laboratory of Cancer Immunometabolism	Wang, Ji Ming	ZIA BC 010015	The Role of Cellular Receptors Involved in Inflammation and Tumor Progression
Laboratory of Cancer Immunometabolism	Wang, Ji Ming	ZIA BC 010725	Role of Formylpeptide Receptors in Host Defense
Laboratory of Human Carcinogenesis	Wang, Xin Wei	ZIA BC 005793	Mechanism of viral hepatitis-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
Laboratory of Human Carcinogenesis	Wang, Xin Wei	ZIA BC 011951	Viral exposure signatures may define individuals vulnerable for COVID-19
Structural Biophysics Laboratory	Wang, Yun-Xing	ZIA BC 010379	Search for the Structural Basis of Biomacromolecular Function and Activity
Structural Biophysics Laboratory	Wang, Yun-Xing	ZIC BC 011535	SAXS Core
Structural Biophysics Laboratory	Wang, Yun-Xing	ZIA BC 011669	NCI X-ray free electron laser (XFEL) initiative
Macromolecular Crystallography Laboratory	Waugh, David	ZIC BC 011868	Protein Engineering Core
Laboratory of Cellular and Molecular Biology	Weigert, Roberto	ZIA BC 011682	Molecular mechanisms of membrane remodeling
Laboratory of Protein Dynamics and Signaling	Weissman, Allan	ZIA BC 009392	Determining the Fate of Transmembrane Proteins
Laboratory of Protein Dynamics and Signaling	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
Laboratory of Molecular Biology	Wickner, Sue	ZIA BC 008710	Molecular Chaperones and DNA Replication
Pediatric Oncology Branch	Widemann, Brigitte	ZIA SC 010354	Research and Development of Effective Therapies for Patients with Rare Tumors
Pediatric Oncology Branch	Widemann, Brigitte	ZIA BC 010801	Therapy for NF1-Related Tumors and other Genetic Tumor Predisposition Syndromes
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	Lymphoma Studies
Lymphoid Malignancies Branch	Wilson, Wyndham	ZIA BC 010717	Phase I study of bortezomib and DA-EPOCH-R with microarray in DLBCL
Lymphoid Malignancies Branch	Wilson, Wyndham	ZIA BC 010719	Randomized Phase II study of bortezomib-EPOCH-R in Mantle cell lymphoma
Lymphoid Malignancies Branch	Wilson, Wyndham	ZIA BC 010728	Phase III Study of R-CHOP v DA-EPOCH-R with microarray
Lymphoid Malignancies Branch	Wilson, Wyndham	ZIA BC 011354	BCR Signaling in ABC DLBCL
Lymphoid Malignancies Branch	Wilson, Wyndham	ZIA BC 011654	TEDDI-R in PCNSL
Laboratory of Cancer Immunometabolism	Wink, David	ZIA SC 007281	Nitric Oxide as a Modifier of Oxidative Stress
Laboratory of Cancer Immunometabolism	Wink, David	ZIA BC 010898	Redox Mechanism Process of Angiogenesis and Wound Healing
Laboratory of Cancer Immunometabolism	Wink, David	ZIA BC 010899	Inflammation and cancer treatment
Laboratory of Cancer Immunometabolism	Wink, David	ZIA BC 011190	Chemical Biology of Nitroxyl (HNO)
Basic Research Laboratory	Winkler, Cheryl	ZIA BC 010297	Identification of Genetic Factors Associated with Infectious Diseases
Basic Research Laboratory	Winkler, Cheryl	ZIA BC 010022	Genetics of Complex Diseases and Health Disparities
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

Macromolecular Crystallography Laboratory	Wlodawer, Alexander	ZIA BC 010348	Protein Structure
Macromolecular Crystallography Laboratory	Wlodawer, Alexander	ZIA BC 011966	Chimeric ACE2 peptide ligand for diagnostic assays of SARS-CoV-2
Laboratory of Cancer Immunometabolism	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 Imaging Tools with Artificial Intelligence
Experimental Immunology Branch	Wu, Chuan	ZIA BC 011755	The role of Foxo1 for intestinal epithelial cells during mucosal immune response
Experimental Immunology Branch	Wu, Chuan	ZIA BC 011801	CD101 controls intraepithelial cells (IELs) for intestinal barrier integrity
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
Surgery Branch	Wunderlich, John	ZIC BC 010905	Surgery Branch Cell Prep Core
Surgery Branch	Wunderlich, John	ZIC BC 011569	Cell Production Core Facility
Laboratory of Pathology	Xi, Liqiang	ZIC BC 011079	Molecular Diagnostics Core Laboratory
Laboratory of Pathology	Xi, Liqiang	ZID BC 011959	NCI COMPASS
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
Laboratory of Cancer Biology and Genetics	Yang, Li	ZIA BC 011163	Host immature myeloid cells in tumor suppressor or promoter roles of TGFbeta
Laboratory of Cancer Biology and Genetics	Yang, Li	ZIA BC 011165	Role of inflammation in epigenetic alterations of metastatic cancer cells
HIV and AIDS Malignancy Branch	Yarchoan, Robert	ZIA SC 006737	Development of Novel Therapies 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
Pediatric Oncology Branch	Yohe, Marielle	ZIA BC 011804	Dual Blockade of IGF1R and MEK synergistically inhibits pediatric cancers
Pediatric Oncology Branch	Yohe, Marielle	ZIA BC 011805	Defining the Mechanism of Action of Rigosertib in Pediatric Cancers
Pediatric Oncology Branch	Yohe, Marielle	ZIA BC 011869	Advancing RAS and RASopathy Therapies
Pediatric Oncology Branch	Yohe, Marielle	ZIA BC 011892	Targeting RAS in Pediatric Cancer
Pediatric Oncology Branch	Yohe, Marielle	ZIA BC 011993	Regulation of differentiation and invasion in RMS by ASAP1
Chemical Biology Laboratory	Yoo, Euna	ZIA BC 011961	Synthesis and characterization of covalent ligand library
Chemical Biology Laboratory	Yoo, Euna	ZIA BC 011962	Understanding functional roles and regulation of granzyme
Chemical Biology Laboratory	Yoo, Euna	ZIA BC 011963	Targeting ISG15 and USP18
Cancer Data Science Laboratory	Youkharibache, Philippe	ZIA BC 011990	Structural basis of SARS-CoV-2 and other viruses 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
Laboratory of Cancer Immunometabolism	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
Laboratory of Cancer Biology and Genetics	Yuspa, Stuart	ZIA BC 004504	Interacting Signaling Pathways that Initiate Squamous Cell Carcinogenesis
Laboratory of Cancer Biology and Genetics	Yuspa, Stuart	ZIA BC 005445	Pathways that Suppress or Accelerate Premalignant Progression of Squamous Cancer
Surgical Oncology Program	Zeiger, Martha	ZIE BC 011992	Training and Development of Outstanding Surgeon Scientists
Structural Biophysics Laboratory	Zhang, Ping	ZIA BC 011744	Structural and function 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 DRP Retroviral Replication Laboratory	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