

Z Numbers - 2012 Completed Projects

2012 Project Z Numbers

Investigator Name	Z01 Number	Project Name
Acharya,Jairaj	ZIA BC 010331	Phospholipid and Sphingolipid Signaling in Drosophila
Acharya,Jairaj	ZIA BC 011187	Sphingolipid Signaling in Mammals
Adhya,Sankar	ZIA BC 008751	Regulation of Gene Transcription
Adhya,Sankar	ZIA BC 010017	Use of Bacteriophages to Prevent, Diagnose, and Treat Diseases
Agarwal,Piyush	ZIA BC 011458	Molecular Targeted Photoimmunotherapy for Bladder Cancer
Aladjem,Mirit	ZIA BC 010411	Initiation of DNA Replication in Mammalian Cells
Aladjem,Mirit	ZIA BC 010562	Molecular Interaction Maps and Analysis of Bioregulatory Networks
Ambs,Stefan	ZIA BC 010499	Maryland Prostate Cancer Case-Control Study
Ambs,Stefan	ZIA BC 010624	The Molecular Profile of Prostate Tumors in African-American Men
Ambs,Stefan	ZIA BC 010660	The Molecular Profile of Prostate Tumors in Smokers
Ambs,Stefan	ZIA BC 010886	Non-coding RNAs as Prognostic and Diagnostic Markers in Prostate Cancer
Ambs,Stefan	ZIA BC 010887	Novel Markers for Disease Outcome in Breast Cancer
Ambudkar,Suresh	ZIA BC 010030	Biochemical Analysis of Multidrug Resistance-linked Transport Proteins
Anderson,Stephen	ZIA BC 010013	Molecular Studies of Cellular Cytotoxicity
Annunziata,Christina	ZIA BC 011054	Nuclear Factor-kappaB in Ovarian Cancer
Annunziata,Christina	ZIA BC 011312	Protein regulation in multiple myeloma
Annunziata,Christina	ZIA BC 011315	Molecular characterization of endometrial cancer
Aplan,Peter	ZIA SC 010378	Activation of Proto-Oncogenes by Chromosomal Translocation
Aplan,Peter	ZIA SC 010379	Mechanisms of Chromosomal Translocation
Aplan,Peter	ZIA BC 010982	Collaborative Pathways that Lead to Leukemia
Aplan,Peter	ZIA BC 010983	Pre-clinical Studies of Therapy for Myelodysplastic Syndrome
Apolo,Andrea	ZIA BC 011351	Bladder Cancer Program
Appella,Ettore	ZIA BC 005599	Tumor Suppressor Protein, p53

Appella,Ettore	ZIA BC 011197	Regulation and Function of WIP1 Phosphatase and its Role in Tumor Cells
Arthur,Diane	ZIA SC 010282	Cytogenetic Studies of B-cell Chronic Lymphocytic Leukemia (B-CLL)
Arthur,Diane	ZIA BC 010692	Significance of Marrow Karyotypes in Inherited Bone Marrow Failure Syndromes
Arthur,Diane	ZID BC 010694	Clinical Cancer Cytogenetics
Ashwell,Jonathan	ZIA BC 010774	T Cell Alternative p38 Activation Pathway
Ashwell,Jonathan	ZIA BC 010779	Regulation and Consequences of Ubiquitination
Ashwell,Jonathan	ZIA BC 010932	Functional and developmental T cell subsets
Ashwell,Jonathan	ZIA BC 011264	Glucocorticoids and T cell development and function
Austin,Stuart	ZIA BC 010333	The Segregation of Bacterial Chromosomes to Daughter Cells
Austin,Stuart	ZIH BC 011161	The automated measurement of foci in fluorescence microscopy
Avital,Itzhak	ZIA BC 010997	Purification of a Novel Antibody Against Solid Organ Cancer Stem Cells
Avital,Itzhak	ZIA BC 011003	Asymmetric Division and Self Renewal of Cancer Stem Cells
Avital,Itzhak	ZIA BC 011004	Bone Marrow Stem Cells Participation in Solid Organ Cancers Carcinogenesis
Avital,Itzhak	ZIA BC 011005	Isolation and Purification of Cancer Stem Cells Based on Functional Approach
Avital,Itzhak	ZIA BC 011341	Familial Gastric Cancer: Diagnosis, DNA Sequencing, Early detection
Avital,Itzhak	ZIA BC 011342	Pancreatic perfusion for locally unresectable pancreatic cancer
Bai,Yawen	ZIA BC 010276	Protein Folding Mechanism
Bai,Yawen	ZIA BC 010808	Nucleosome Dynamics
Barchi,Joseph	ZIA BC 010451	Carbohydrate Antigen-bearing Nanoparticles for Anti-adhesives and Tumor Vaccines
Barchi,Joseph	ZIA BC 011232	A Glycopeptide from Interstitial Cystitis Patients as a Novel Anticancer Lead
Barr,Valarie	ZIC BC 010978	Confocal Core for the Laboratory of Cellular and Molecular Biology
Barr,Frederic	ZIA BC 011378	Studies of amplification in rhabdomyosarcoma
Barr,Frederic	ZIA BC 011387	Studies of gene fusions in rhabdomyosarcoma
Barr,Frederic	ZIA BC 011423	Epigenetic studies in rhabdomyosarcoma
Basrai,Munira	ZIA BC 010822	Molecular Determinants of Chromosome Transmission and Cell Cycle Regulation
Batchelor,Eric	ZIA BC 011382	Systems-level analysis of the regulation and function of p53 dynamics
Bates,Susan	ZIA BC 010620	Clinical Studies to Circumvent Drug Resistance

Bates,Susan	ZIA BC 010621	Translational Studies of the Histone Deacetylase Inhibitor Romidepsin
Bates,Susan	ZIA BC 010622	Investigation of the ABC Half-Transporter ABCG2
Bernal,Federico	ZIA BC 011261	Biological Implications and Translational Applications of HDMX Inhibition
Bernal,Federico	ZIA BC 011262	Broadening the Utility of Stapled Peptides through Chemical Optimization
Bernal,Federico	ZIA BC 011376	Structural and Biochemical Studies of p53 Family Function
Berzofsky,Jay	ZIA SC 004020	Antigen-specific T-cell Activation, Application to Vaccines for Cancer and AIDS
Beutler,John	ZIA BC 011469	Building Libraries with Chemical Diversity for Screening
Beutler,John	ZIA BC 011470	Development of Natural Product Leads as Anticancer Therapeutics
Blumberg,Peter	ZIA BC 005270	Molecular Mechanism of Action of Phorbol Ester
Blumenthal,Robert	ZIA BC 008303	Mechanisms of Viral Fusion and Inactivation
Blumenthal,Robert	ZIA BC 010652	Lipid-based Nanocapsules and Triggered Chemotherapy
Bonner,William	ZIA BC 006140	Studies of Histone Functions in Chromatin; H2AX and DNA DSBs
Bosselut,Remy	ZIA BC 010671	Genetic Analysis of T-cell Differentiation
Bottaro,Donald	ZIA BC 011095	Identification of HIF-Regulated Oncogenic Mediators in Renal Cell Carcinoma
Bottaro,Donald	ZIA BC 011123	Development of Grb2 SH2 Domain Antagonists as Anti-Cancer Therapeutics
Bottaro,Donald	ZIA BC 011124	Oncogenic Met Signaling in Urologic Malignancies
Brechbiel,Martin	ZIA SC 010051	Metal Chelate Conjugated Dendrimer Constructs for Diagnosis and Therapy
Brechbiel,Martin	ZIA SC 006353	Metal Chelate Conjugated Monoclonal Antibodies for Tumor Diagnosis and Therapy
Brownell,Isaac	ZIA BC 011393	Development and regulation of stem cell lineages in skin
Brownell,Isaac	ZIA BC 011394	Molecular pathogenesis of Merkel cell carcinoma
Brownell,Isaac	ZIA BC 011450	Ipilimumab for treatment of advanced Merkel cell carcinoma
Buck,Christopher	ZIA BC 011090	Merkel Cell Carcinoma Polyomavirus
Buck,Christopher	ZIA BC 011460	BKV and JCV vaccine development
Buetow,Kenneth	ZIA BC 011251	Molecular Genetic Epidemiology of Primary Hepatocellular Carcinoma
Buetow,Kenneth	ZIA BC 011252	The Cancer Genome Anatomy Project's Genetic Annotation Initiative
Buetow,Kenneth	ZIH BC 010470	Bioinformatic Tools in Cancer Research
Buetow,Kenneth	ZIA BC 011059	Biologic Pathway Analysis

Burke, Terrence	ZIA BC 007363	Design and Synthesis of HIV Integrase as Potential Anti-AIDS Drugs
Burke, Terrence	ZIA BC 006198	Inhibitors of Tyrosine Kinase-Dependent Signalling as Anti-Cancer Agents
Bustin, Michael	ZIA BC 004496	Chromosomal Proteins and Chromosomal Functions
Bustin, Michael	ZIA BC 011154	Biological Functions of Chromosomal Proteins
Byrd, R. Andrew	ZIA BC 010346	Structural Biology of Proteins Involved in Signal Transduction and Regulation of Gene Expression
Byrd, R. Andrew	ZIA BC 011131	Investigation of Protein-Protein Interactions in the ERAD Ubiquitylation Pathway
Byrd, R. Andrew	ZIA BC 011132	Methods Development
Byrd, R. Andrew	ZIA BC 011419	Structural Biology of GTPase Activating Proteins
Callahan, Robert	ZIA BC 005148	Mammary Tumorigenesis in Inbred and Feral Mice
Camphausen, Kevin	ZIA SC 010372	Molecular Profiling of Patients Undergoing Radiotherapy
Camphausen, Kevin	ZIA SC 010373	The Synergy Between Radiotherapy and Molecularly Targeted Agents
Camphausen, Kevin	ZID BC 010990	Radiation Oncology Branch - Radiation Clinic
Camphausen, Kevin	ZIC BC 010991	Radiation Oncology Branch - Microarray Facility
Cao, Liang	ZIC BC 010981	Design, Develop, Validate, and Implement Biomarkers for Clinical Investigations
Cao, Liang	ZIC BC 011048	Preclinical Development of Novel Targeted Therapeutics Against Pediatric Sarcoma
Cao, Liang	ZIA BC 011189	Molecular Pathogenic Mechanism of Rhabdomyosarcoma
Caplen, Natasha	ZIA BC 010612	The Role of miRNA-mediated RNAi in the Biology of Cancer
Caplen, Natasha	ZIA BC 010613	The Induction of Gene-specific RNAi Against Cancer-associated Genes
Caplen, Natasha	ZIA BC 010615	RNAi Screening for the Systematic Discovery of Cancer Gene Function
Caplen, Natasha	ZIA BC 010939	RNAi Analysis and Screening for Study of Genes and Anti-Cancer Treatments
Carrington, Mary	ZIA BC 010791	Effects of genetic polymorphism in MHC, KIR, and related loci on human disease
Carrington, Mary	ZIA BC 010792	Molecular genetics and population studies of the KIR and HLA gene complexes
Chattoraj, Dhruba	ZIA BC 010277	Mechanisms of Chromosome Maintenance in Bacteria
Chen, Jinjiu	ZIC BC 011434	Collaborative Protein Technology Resource: Automated Capillary Immunoassays
Cheng, Sheue-yann	ZIA BC 008752	Thyroid Hormone Receptors in Health and Disease
Cheng, Sheue-yann	ZIA BC 011191	Preclinical Mouse Model of Thyroid Carcinogenesis
Cherukuri, Murali	ZIA BC 010476	Time Domain Electron Paramagnetic Resonance Imaging

Cherukuri,Murali	ZIA BC 010477	Overhauser Enhanced Magnetic Resonance Imaging (OMRI)
Cherukuri,Murali	ZIA BC 010478	Continuous Wave Electron Paramagnetic Resonance Imaging
Choyke,Peter	ZIA BC 010654	Lymphatic Imaging
Choyke,Peter	ZIA BC 010655	Prostate Cancer Imaging
Choyke,Peter	ZIA BC 010656	Growth Factor Imaging
Choyke,Peter	ZIA BC 010657	Intracellular In vivo Imaging
Choyke,Peter	ZIA BC 010668	Instrumentation for microSPECT and microPET imaging
Choyke,Peter	ZIA BC 010714	Angiogenesis imaging
Citrin,Deborah	ZIA BC 010849	Evaluation of Novel Radiation Modifiers
Citrin,Deborah	ZIA BC 010850	Mechanisms of Normal Tissue Toxicity
Citrin,Deborah	ZIA BC 011424	Bone Marrow Stromal Cells as Mitigators of Radiation Injury
Colburn,Nancy	ZIA BC 010025	The Role of AP-1 and Other Transcription Factors in Cancer Cause and Prevention
Colburn,Nancy	ZIA BC 010026	The Role of Pdcd4 in Translation, Tumorigenesis and Tumor Progression
Colburn,Nancy	ZIA BC 011159	Identification of Biomarkers for Response to Chemoprevention of Colon Cancer
Coleman,C. Norman	ZIA BC 010670	Molecular-Targeted Radiation Therapy
Cortner,Janelle	ZIJ BC 011365	Training Fellowship
Cortner,Janelle	ZIC BC 011392	LGD Core
Court,Donald	ZIA BC 010336	Lambda Genetic Networks and Lambda Red-Mediated Recombination
Cowen,Edward	ZID BC 011317	Dermatology Consultation Service
Custer,Mary	ZIG BC 010856	Basic and Preclinical Animal Models in support of Cancer and HIV/AIDS Research
Custer,Mary	ZIA BC 011356	FLSC - Vaccine Branch HIV Vaccine Primate Study
Cuttiitta, Frank	ZIC BC 011440	Sisene CRADA
Daar,Ira	ZIA BC 010006	Mechanisms of Cross-talk Between EphrinB and Alternate Signaling Pathways
Daar,Ira	ZIA BC 010958	Signaling Mechanisms of EphrinB1 in Cell Adhesion, Migration and Invasion
Dahut,William	ZIA SC 010098	The Evaluation of Novel Therapeutics for Genitourinary Malignancies
Dalal,Yamini	ZIA BC 011206	Genome wide profiling of histone variants in colorectal cancer cells
Dalal,Yamini	ZIA BC 011207	Analysis of centromere identity and structure in human cells

Dalal,Yamini	ZIA BC 011209	Kinetochore Interaction with Centromere Chromatin in human cells
Danforth,David	ZIA SC 006663	Molecular Characterization of Breast Duct Epithelium at Risk for Breast Cancer
Dauter,Zbigniew	ZIA BC 010378	Macromolecular Crystallography Research with Synchrotron Radiation
Dean,Michael	ZIA BC 011300	CANCER AND INFLAMMATION GENETICS
Dean,Michael	ZIA BC 011301	CANCER AND INFLAMMATION: FUNCTION AND THERAPY
Dennis,Phillip	ZIA SC 010292	Signal Transduction Pathways that Promote Survival of Lung Cancer Cells
Dennis,Phillip	ZIA BC 010450	Development of Akt Inhibitors
Dennis,Phillip	ZIA BC 010748	Clinical Investigation of Signal Transduction Inhibitors
Dimitrov,Dimiter	ZIA BC 010701	Human Monoclonal Antibodies Against Cancer
Dimitrov,Dimiter	ZIA BC 011155	Antibody-based therapeutics and vaccines against AIDS
Dimitrov,Dimiter	ZIA BC 011156	Antibody therapeutics against biodefense-related diseases
Doroshov,James	ZIA BC 010677	NADPH Oxidase 1: A Novel Target for Colon Cancer Therapy
Doroshov,James	ZIA BC 011076	Roles of NADPH Oxidase 5 and Dual Oxidase 2 in Cancer
Doroshov,James	ZIA BC 011078	Phase 0/1 Clinical Trials
DuBois,Wendy	ZIC BC 011047	Animal Model and Genotyping Core Support Facility
Dudley,Mark	ZIC BC 011020	Cell Production Facility Core
Durell,Stewart	ZIC BC 011075	Molecular Modeling of the Human P-glycoprotein Transporter Protein
Durell,Stewart	ZIC BC 011077	Molecular Modeling of Interactions Regulating the Activity of the p53 Protein
Durell,Stewart	ZIA BC 011379	Inhibitor Development Against the Wip1 Phosphatase
Durell,Stewart	ZIC BC 011380	Multivalent Inhibition of Integrin alphaVbeta3
Durell,Stewart	ZIH BC 011445	Coordination of DNA Replication, Transcription and Chromatin Assembly
Durum,Scott	ZIA BC 009287	Cytokines and T Cell Development
Durum,Scott	ZIA BC 011150	Chronic Inflammation and Carcinogenesis
Edelman,Daniel	ZIC BC 011040	Molecular Profiling of Clinical Specimens
Edelman,Daniel	ZIC BC 011041	Technical Development of Molecular Profiling Technologies
Emmert-Buck,Michael	ZIA SC 010437	Molecular Pathology of Cancer
Emmert-Buck,Michael	ZIA BC 010729	Technology Development

Emmert-Buck,Michael	ZIC BC 011068	Laser Capture Microdissection Core Laboratory
Emmert-Buck,Michael	ZIA BC 011210	Magnetic Drug Delivery for Cancer
Farrar,William	ZIA BC 010253	Molecular Mechanisms of Growth Factor Modulated Proliferation
Farrar,William	ZIA BC 010794	Characterization of Cancer Stem Cells
Felber,Barbara	ZIA BC 010334	Posttranscriptional control of gene expression
Felber,Barbara	ZIA BC 010350	Prevention of AIDS
Feldman,Steven	ZIC BC 010989	Clinical production of viral vectors for cancer gene therapy
Figg,William	ZIA SC 006538	Development of Angiogenesis Inhibitors
Figg,William	ZIA BC 010453	Identify SNPs and Polymorphisms Involved in the Development of Prostate Cancer
Figg,William	ZIA BC 010547	Development of Drugs That Target Prostate Cancer
Figg,William	ZIC SC 006536	Sample Processing and Analytical Methods Development for New Anticancer Agents
Figg,William	ZIC SC 006537	Using Clinical Pharmacology Principles to Develop New Anticancer Therapies
Figg,William	ZIC BC 010548	Pharmacokinetic and Pharmacodynamic Modeling of Anticancer Agents
Figg,William	ZIA BC 010627	Clinical Pharmacogenetics
Filie,Armando	ZIC BC 011052	Cytopathology Core
Fine,Howard	ZIA SC 010100	The Glioma Molecular Diagnostic Initiative: Characterizing Brain Tumor Data
Fine,Howard	ZIA BC 010839	Exploring the Therapeutic Potential of Stem Cell Biology in Gliomas
Fine,Howard	ZIA BC 010840	Elucidation and Exploitation of GSK3 as a Novel Glioma Therapeutic Target
Fine,Howard	ZIC BC 011086	Brain Tumor Animal Therapeutics Core
Fine,Howard	ZID BC 011098	Brain Tumor Clinical and Clinical Research Program
Fine,Howard	ZIA BC 011099	Canine Glioma and Embryonic Neural Stem Cell Project
Fine,Howard	ZIA BC 011100	SCF as a Novel CNS and Glioma-Derived Angiogenic Factor and SC Chemotaxic Factor
Fine,Howard	ZIA BC 011101	Identifying New Glioma-Associated Tumor Suppressors and Oncogenes
Fine,Howard	ZIA BC 011102	The Role of miRNAs in Glioma Stem Cell and Glioma Biology
FitzGerald,David	ZIA BC 008757	Bio-Therapies for the Treatment of Cancer and Infectious Disease
Fojo,Antonio	ZIA SC 006732	Clinical, Basic, Translational and Kinetic Studies of Drug Action and Resistance
Fojo,Antonio	ZIA BC 010625	Microtubule (MT) Interfering Agents (MTAs): Mechanisms of Action and Resistance

Fojo,Antonio	ZIA BC 010626	Cancers with Unique Properties: Pheochromocytoma, Adrenal and Thyroid Cancer
Fojo,Antonio	ZIE BC 010843	Medical Oncology Fellowship Program
Fowler,Daniel	ZIA SC 010288	Th1/Th2 and Tc1/Tc2 T Cell Subsets in Transplantation Therapy
Fowler,Daniel	ZIA BC 011219	Combination Gene Therapy and Th1/Th2 Therapy
Fowler,Daniel	ZIA BC 011220	Understanding T Cell Rapamycin Resistance
Franchini,Genoveffa	ZIA BC 005645	T-cell Transformation by Oncoviruses
Franchini,Genoveffa	ZIA BC 005688	Understanding the Role of the Host Response in HIV/SIV Infection
Franchini,Genoveffa	ZIA BC 011126	Preventive Vaccines for HIV
Freed,Eric	ZIA BC 010775	Retroviral Gag Trafficking, Env Incorporation, and Virus Assembly
Freed,Eric	ZIA BC 010776	Retrovirus Budding and Endosomal Sorting
Freed,Eric	ZIA BC 010778	Inhibition of HIV-1 Maturation
Fry,Terry	ZIA BC 011295	Optimizing the graft versus leukemia effect for pediatric ALL
Fry,Terry	ZIA BC 011296	Development of dipeptidyl peptidase inhibitors as novel immune adjuvants
Fry,Terry	ZIA BC 011320	Targeting dendritic cells for selective modulation of GVHD
Gardner,Kevin	ZIA BC 010846	Mechanisms of Transcriptional Control by p300
Gardner,Kevin	ZIA BC 010847	Gene-specific Mechanisms of BRCA1 transcriptional Control
Garfield,Susan	ZIC BC 010858	CCR Confocal Microscopy Core
Giaccone,Giuseppe	ZID BC 010950	Research Nursing
Giaccone,Giuseppe	ZID BC 010951	Medical Director's Office
Giaccone,Giuseppe	ZIA BC 011269	Thoracic Cancer Research Laboratory
Giaccone,Giuseppe	ZIE BC 011271	Developmental Therapeutics Clinic
Gildersleeve,Jeffrey	ZIA BC 010675	Development of a Carbohydrate Microarray
Gildersleeve,Jeffrey	ZIA BC 010740	Carbohydrate Microarray Profiling of Glycan-Binding Antibodies and Lectins
Gildersleeve,Jeffrey	ZIA BC 011055	Serum Antibody Profiling with a Carbohydrate Microarray
Goldstein,David	ZIK BC 010857	Science and Technology Partnerships
Gonzalez,Frank	ZIA BC 005562	Xenobiotic-Metabolizing Enzymes
Gonzalez,Frank	ZIA BC 005708	Xenobiotic Receptors

Gottesman,Michael	ZIA BC 005598	Genetic Analysis of the Multidrug Resistance Phenotype in Tumor Cells
Gottesman,Michael	ZIA BC 010830	Mechanisms of non-classical multidrug resistance in cancer
Gottesman,Susan	ZIA BC 008714	Bacterial Functions Involved in Cell Growth Control
Gottesman,Susan	ZIA BC 011203	Proteolysis and Regulation of Bacterial Cell Growth Control
Green,Jeffrey	ZIA BC 005740	Transgenic Models for Prostate and Breast Cancer
Green,Jeffrey	ZIA BC 011229	Mechanisms of Tumor Cell Dormancy and Tumor Recurrence
Greiner,John	ZIA BC 010969	The use of chitosan for cancer vaccine delivery
Greiner,John	ZIA BC 010970	The connection of innate and adaptive anti-cancer immunity
Gress,Ronald	ZIA BC 010525	Immune Reconstitution
Gress,Ronald	ZIA BC 010957	Transplant Models
Gress,Ronald	ZIA BC 010960	ETIB Clinical Trials
Gress,Ronald	ZID BC 010963	ETIB Clinical Research Core
Greten,Tim	ZIA BC 011258	Analysis of tumor cell death on antigen-specific immune responses
Greten,Tim	ZIA BC 011343	Clinical protocols for the treatment of gastrointestinal cancer
Greten,Tim	ZIA BC 011344	Immune suppressor mechanism analysis in patients with Hepatocellular Carcinoma
Greten,Tim	ZIA BC 011345	Analysis of myeloid derived suppressor cells in mice
Greten,Tim	ZIA BC 011346	Immune suppressor mechanism in a murine model of hepatitis and liver cancer
Grewal,Shiv	ZIA BC 010523	RNAi and Epigenetic Control of Higher-Order Chromatin Assembly
Grewal,Shiv	ZIA BC 011208	Roles of Chromatin-modifying Factors in Epigenetic Control of the Genome
Guha,Udayan	ZIA BC 011408	Compare substrate specificities of wild type and mutant EGFR kinases.
Guha,Udayan	ZIA BC 011410	Protein phosphorylation downstream of mutant EGFR kinases
Guha,Udayan	ZIA BC 011412	Role of ERFF1 in mutant EGFR-driven lung tumorigenesis
Guha,Udayan	ZIA BC 011414	Identification of potentially active tyrosine kinases in lung cancer
Gulley,James	ZIA BC 010666	Cancer Therapy Clinical Trials Using Novel Recombinant Vaccines
Gulley,James	ZIA BC 010945	Clinical trials employing cancer vaccine combination therapies
Gustafson,Kirk	ZIA BC 011467	Molecularly targeted natural products discovery from diverse natural sources
Gustafson,Kirk	ZIA BC 011468	Adaptations and methodologies for enhanced identification of lead compounds

Hager,Gordon	ZIA BC 010308	In vivo Imaging Analysis of Steroid/Nuclear Receptor Function
Hager,Gordon	ZIA BC 010027	Function of Steroid Receptors in Subcellular Compartments
Hager,Gordon	ZIA BC 005450	Chromatin Structure and Gene Expression
Hager,Gordon	ZIA BC 010646	Chromatin Remodeling Proteins
Haglund,Karl	ZIA BC 011277	Procaspase 3 activator compounds combined with X-ray irradiation
Haglund,Karl	ZIA BC 011316	Role of the human transcription factor T in chordoma growth
Haglund,Karl	ZIA BC 011326	Sensitization of chordoma cell lines to ionizing radiation
Haglund,Karl	ZIA BC 011454	RGB-286638 as a radiation sensitizer
Haglund,Karl	ZIA BC 011455	Therapeutic use of immunomodulators and ionizing radiation
Hakim,Frances	ZIC BC 010934	Immune reconstitution following autologous and allogeneic stem cell transplant
Hakim,Frances	ZIC BC 011029	Preclinical development and clinical monitoring of adoptive immune therapy
Hale,Eric	ZIK BC 011193	Office of Policy and Intellectual Property
Hamer,Dean	ZIA BC 010530	Molecular Therapeutics for HIV/AIDS
Hammer,Jeffrey	ZIC BC 011309	DNA Extraction Service
Hammer,Jeffrey	ZIC BC 011310	Hollow Fiber Production of Monoclonal Antibodies
Harris,Curtis	ZIA BC 005480	Molecular Epidemiology of Human Lung Cancer
Harris,Curtis	ZIA BC 005795	p53 Tumor Suppressor Pathway
Harris,Curtis	ZIA BC 010033	Inflammation and Cancer
Harris,Curtis	ZIA BC 010874	Biomarkers of Human Lung Cancer
Harris,Curtis	ZIA BC 010878	Human Colon Cancer
Hartman,Kathleen	ZIC BC 010859	DNA Sequencing and Digital Gene Expression Core
Hassan,Raffit	ZIA BC 010816	Immunotherapy for Malignant Mesothelioma
Hatfield,Dolph	ZIA BC 005317	Role of Selenium in Development and Health
Hatfield,Dolph	ZIA BC 010767	Biosynthesis of Selenocysteine and Its Incorporation into Protein
Hatfield,Dolph	ZIA BC 010889	Role of Selenium-containing Proteins in Cancer
Hearing,Vincent	ZIA BC 010784	Biochemistry of Melanins and Photoprotection of the Skin
Hearing,Vincent	ZIA BC 010785	Characterization of Pigmentary Disorders and Melanoma Targeting

Hearing,Vincent	ZIA BC 010786	The Regulation of Mammalian Pigmentation
Helman, Lee	ZIA SC 006892	Molecular Biology of Pediatric Tumors
Helman, Lee	ZIA SC 006891	Solid Tumors
Henderson, Darren	ZII BC 011234	CCR New Space Activation
Hewitt, Stephen	ZIC BC 010923	Tissue Array Research Program
Hewitt, Stephen	ZIC BC 011257	Applied Molecular Pathology Laboratory
Hickstein, Dennis	ZIA SC 010384	Hematopoietic Stem Cell Gene Therapy for Leukocyte Adhesion Deficiency
Hickstein, Dennis	ZIA BC 010549	Zebrafish Models of Cancer
Hickstein, Dennis	ZIA BC 010870	Hematopoietic Stem Cell Transplant for Immunodeficiency with MDS
Hickstein, Dennis	ZIA BC 011374	Allotransplant for DOCK8 deficiency
Ho, Mitchell	ZIA BC 010891	Antibody Therapy of Cancer
Hodes, Richard	ZIA BC 009405	Regulation of Lymphocyte Proliferation and Replicative Capacity
Hodes, Richard	ZIA BC 009281	Receptor Mediated T and B Cell Activation
Hodes, Richard	ZIA BC 009265	Analysis of the T Cell Repertoire
Hodge, James	ZIA BC 010661	Vaccine and Drug Combination Therapy for Human Cancers
Hodge, James	ZIA BC 010974	The development of Saccharomyces (yeast) vaccines for cancer therapy
Hodge, James	ZIA BC 010975	Vaccine and radiation for the therapy of human cancers
Hornyak, Thomas	ZIA BC 010479	Regulation of Melanocyte Development and Differentiation
Hornyak, Thomas	ZIA BC 010565	Determinants of Melanocyte Transformation and Melanoma Progression
Hornyak, Thomas	ZIA BC 010720	Isolation, Characterization, and Behavior of Melanocyte Stem Cells
Hornyak, Thomas	ZIA BC 010733	Dermatoscopy in the Evaluation of Pigmented Lesions
Hornyak, Thomas	ZIA BC 010734	Cutaneous Lesions in Neurofibromatosis Type I and Other Pre-cancerous Syndromes
Hou, Steven	ZIA BC 010738	Molecular Genetic Study of Stem Cells, Cancer Stem Cells, and Stem Cell Aging
Hu, Wei-Shau	ZIA BC 010504	Elucidating the Mechanisms of Reverse Transcription and Recombination
Hu, Wei-Shau	ZIA BC 010506	Understanding Retroviral Gag and RNA Targeting and Virus Assembly
Hu, Wei-Shau	ZIA BC 010814	Regulation of Retroviral RNA Packaging and Dynamics of HIV-1 RNA Export
Hu, Yinling	ZIA BC 011212	Functions of IKKa in Skin Homeostasis and Skin Tumorigenesis

Hu,Yinling	ZIA BC 011391	Role of IKKa in lung squamous cell carcinoma development
Hu,Yinling	ZIA BC 011422	Role of IKKalpha in lymphoid organ development
Huang,Jing	ZIA BC 011158	Study the role(s) of p53 in embryonic stem cells
Hughes,Stephen	ZIA BC 010481	HIV-1 Reverse Transcriptase
Hughes,Stephen	ZIA BC 011426	Integrase
Hughes,Marybeth	ZIA BC 011012	Study of Hepatic Arterial Infusion of Melphalan for Malignancy in the liver
Hunter,Kent	ZIA BC 011255	Genetic Modifiers of Initiation and Progression of Mammary Cancer
Hurwitz,Arthur	ZIA BC 010954	Tumor Growth and Microenvironment Influence T Cell Tolerance to Tumor Antigens
Hurwitz,Arthur	ZIA BC 010955	The Role of T Cell Avidity in Determining Tumor Immunity and Autoimmunity
Hurwitz,Arthur	ZIA BC 011169	Inflammation and Prostate Carcinogenesis
Hussain,S. Perwez	ZIA BC 011162	Molecular Profiling of Pancreatic Cancer
Hussain,S. Perwez	ZIA BC 011185	Role of Inflammation in the Development and Progression of Pancreatic Cancer
Hussain,S. Perwez	ZIA BC 011186	Animal model of Pancreatic Cancer
Iwamoto,Fabio	ZIA BC 011347	Genetic Correlation with Efficacy and Toxicity of Brain Tumor Therapies
Iwamoto,Fabio	ZIA BC 011348	Aging and Primary Central Nervous System Tumors
Jaffe,Elaine	ZIA SC 000550	Lymphoma Disease Discovery and Defintion
Jaffe,Elaine	ZIA BC 011070	Hematopathology Diagnosis
Jaffe,Elaine	ZIE BC 011241	Hematopathology Fellowship
Jenkins,Lisa	ZIC BC 011430	CPTR - Mass Spectrometry
Jessup,John	ZIA BC 011199	Embryonic Transcription Factor Function in Human Colorectal Cancer Stem Cells
Ji,Xinhua	ZIA BC 010326	Biomolecular Structure and Mechanism, Structure-Based Drug Design
Jin,Ding	ZIA BC 010632	Transcription Regulation in E. coli and H. pylori
Johann,Donald	ZIA BC 011226	Optimization of tissue depletion for LCM-MS coupling
Johann,Donald	ZIA BC 011227	Estrogen metabolite profiling of thin tissue sections
Johann,Donald	ZIA BC 011322	Molecular profiling of tumor tissue using targeted clinical proteomics
Johnson,Peter	ZIA BC 010328	Role of C/EBP transcription factors in regulating cell growth and tumorigenesis
Kalab,Petr	ZIA BC 010872	High throughput screen for small molecule inhibitors of Ran regulated functions

Kalab,Petr	ZIA BC 011084	Cellular functions of Ran GTPase
Kammula,Udai	ZIA BC 010649	Immunotherapy Strategies for Gastrointestinal and Hepatocellular Cancer
Kammula,Udai	ZIA BC 010766	High Throughput Isolation of Antigen Specific T-cells for Cancer Therapy
Kaplan,Rosandra	ZIA BC 011332	Tumor Microenvironment in Cancer Progression
Kaplan,Rosandra	ZIA BC 011334	Biomarkers and Therapeutic Targets in Angiogenesis and Metastasis
Kashlev,Mikhail	ZIA BC 010795	Mechanisms of transcription fidelity in prokaryotes and eukaryotes
Kashlev,Mikhail	ZIA BC 011202	Mechanism of the initial steps in transcription-coupled DNA repair (TCR)
Katz,Stephen	ZIA SC 003657	Immunopathologic Mechanisms Involved in Inflammatory Skin Diseases
Kebebew,Electron	ZIA BC 011275	Gene expression and regulation in endocrine cancers
Kebebew,Electron	ZIA BC 011286	Therapeutic targets and novel anticancer agents for endocrine cancers
Kebebew,Electron	ZIA BC 011287	Clinical and genetic studies in familial nonmedullary thyroid cancer (FNMTCT)
Keefer,Larry	ZIA BC 005673	Using Diazeniumdiolate Chemistry to Design Nitric Oxide-Based Therapies
Keefer,Larry	ZIA BC 011188	Diazeniumdiolates as Broad-Spectrum Anticancer Agents
Keller,Jonathan	ZIA BC 010001	Molecular/Cellular Regulation of Hematopoiesis
Kelly,Kathleen	ZIA SC 009389	A Mitogen-induced G Protein-coupled Receptor
Kelly,Kathleen	ZIA BC 010607	Ras-mediated signals in human epithelial cell transformation and metastasis
Kelly,Kathleen	ZIA BC 010802	Tumor stem cells and metastatic outcomes in mouse models of prostate cancer
Kelly,Kathleen	ZIA BC 011053	TMPRSS2-ERG chromosomal translocations and prostate cancer
KewalRamani,Vineet	ZIA BC 010487	Cytoplasmic-Nuclear Trafficking of HIV-1
KewalRamani,Vineet	ZIA BC 010488	Animal Models for HIV-1 Replication and Pathogenesis
KewalRamani,Vineet	ZIA BC 011461	The Role of RISC Proteins in HIV-1 Replication
Khan,Javed	ZIA SC 010366	Identification of Genes for Predicting Prognosis in Pediatric Cancers
Khan,Javed	ZIA BC 010591	Characterization of Xenograft Models of Childhood Cancers
Khan,Javed	ZIA BC 010592	Comparative Genomic Hybridization of Neuroblastoma
Khan,Javed	ZIA BC 010806	Targeting High-risk Neuroblastoma using high through put siRNA screening
Khan,Javed	ZIA BC 010998	Identification of Novel Mutations In Pediatric Cancers
Khan,Javed	ZIA BC 010999	Characterization of FGFR4 mutations in Rhabdomyosarcoma

Khan,Javed	ZIA BC 011001	Micro RNA Profiling in Pediatric Cancers
Khan,Javed	ZIA BC 011002	BIOINFORMATICS: SYSTEMS BIOLOGY OF NEUROBLASTOMA
Khanna,Chand	ZIA BC 010566	Tumor and Metastasis Biology
Khanna,Chand	ZIG BC 010569	Comparative Oncology Program
Khanna,Chand	ZIA BC 011024	Tumor and Metastasis Therapy
Khleif,Samir	ZIA BC 010752	Anti-angiogenesis targeted vaccine therapy
Khleif,Samir	ZIA BC 010755	Enhancing immune response strategies:
Khleif,Samir	ZIA BC 010757	Clinical trial development in cancer vaccines
Kim,Su Young	ZIA BC 011194	Modeling the MET Oncogene in Osteosarcoma
Kim,Su Young	ZIA BC 011195	Sequencing the Osteosarcoma Kinome
Kim,Su Young	ZIA BC 011196	The NIH Pediatric and wildtype GIST Clinic
Kim,Su Young	ZIA BC 011231	Clinical Trial of AZD0530 in Recurrent Osteosarcoma
Kimura,Shioko	ZIA BC 005522	Thyroid Stem/Progenitor Cells
Kimura,Shioko	ZIA BC 010449	Role of Novel Cytokine-like Molecules Secretoglobin (SCGB) 3A1 and 3A2 in Lung
Klar,Amar	ZIA BC 010381	Studies on Silencing
Klar,Amar	ZIA BC 010385	Studies on mat1 Imprinting
Kleiner,David	ZIC BC 010685	Postmortem Pathology
Kleiner,David	ZID BC 010686	Clinical Operations for Laboratory of Pathology
Kleiner,David	ZIC BC 010687	Histology Core Laboratory
Klinman,Dennis	ZIA BC 010852	Mechanism of action and therapeutic utility of immunostimulatory CpG oligonucleo
Klinman,Dennis	ZIA BC 010853	Mechanism of action and therapeutic utility of immunosuppressive oligonucleotide
Kochenderfer,James	ZIA BC 011413	Autologous T cells Transduced with an Anti-CD19 Chimeric Antigen Receptor
Kochenderfer,James	ZIA BC 011415	Allogeneic T cells Transduced with an Anti-CD19 Chimeric Antigen Receptor
Kochenderfer,James	ZIA BC 011417	New Chimeric Antigen Receptors for Treating Hematologic Malignancies
Kochenderfer,James	ZIA BC 011439	Development of Chimeric Antigen Receptors Targeting Multiple Myeloma
Kohn,Kurt	ZIA BC 006192	Investigating Regulatory Networks that Control Cell Proliferation and Apoptosis
Kohn,Elise	ZIA SC 009374	Signaling Pathways as Molecular Targets in Angiogenesis and Microenvironment

Kohn,Elise	ZIA SC 009375	Signal Transduction Therapy--Clinical
Kohn,Elise	ZIA SC 009163	Signal Transduction Therapy--Basic Science
Kohn,Elise	ZIE BC 011136	The CCR/Walter Reed Army Medical Center Gynecologic Cancer Program Research Lab
Kong,Heidi	ZIA BC 010914	Gene Expression Profiling and Clinical Characterization of Phototoxicity
Kong,Heidi	ZIA BC 010938	Studies of Skin Microflora in Healthy Individuals and Atopic Dermatitis Patients
Kong,Heidi	ZIA BC 010940	Cutaneous Adverse Drug Reactions
Kong,Heidi	ZIA BC 011177	Botulinum Toxin for Painful Cutaneous Leiomyomas
Kovalovsky,Damian	ZIA BC 011429	Zbtb family members in lymphocyte differentiation and function
Kraemer,Kenneth	ZIA BC 004517	DNA Repair in Human Cancer-Prone Genetic Diseases
Kreisl,Teri	ZIA BC 011367	A Phase II Trial of Sunitinib in the Treatment of Recurrent Malignant Gliomas
Kreisl,Teri	ZIA BC 011368	D-Loperamide as a Marker of PgP Function in Gliomas
Kreitman,Robert	ZIA BC 010301	Development of Recombinant Toxins to Treat Hematologic Malignancies
Krensky,Alan	ZIA BC 011025	Regulation of RANTES expression in T lymphocytes
Krensky,Alan	ZIA BC 011026	Function of granulysin
Kruhlak,Michael	ZIC BC 010915	EIB Microscopy Core Facility
Kuehl,W. Michael	ZIA SC 006581	Molecular Pathogenesis of Multiple Myeloma
Kuehl,W. Michael	ZIA BC 010910	Genomic Rearrangements in Multiple Myeloma
Kuehn,Michael	ZIA BC 009297	Ubiquitin And SUMO Post-Translational Modifications In Development And Disease
Kuehn,Michael	ZIA BC 010256	The Nodal Signaling Pathway In Embryonic Development
Kwong,King	ZIA BC 011046	Mechanisms of apoptosis regulation which impede cancer cell death in lung cancer
Kwong,King	ZIA BC 011049	Development and evaluation of apoptosis targeted therapies in lung cancer
Kwong,King	ZIA BC 011160	Mechanisms in development & regulation of metastasis in lung cancer
Lal,Ashish	ZIA BC 011399	Regulation of microRNA expression by Mutant p53
Lal,Ashish	ZIA BC 011400	Function of Mutant p53-regulated microRNAs in cancer cells
Lal,Ashish	ZIA BC 011401	Mechanisms regulating the context-dependant function of microRNAs
Lal,Ashish	ZIA BC 011402	MicroRNA phenotypic screening for the discovery of novel anti-cancer microRNAs
Landgren,C. Ola	ZIA BC 011205	Population based studies

Landgren,C. Ola	ZIA BC 011352	Molecular and clinical profiling
Larionov,Vladimir	ZIA BC 010413	Study of hereditary prostate cancer and human artificial chromosomes
Larson,Daniel	ZIA BC 011383	Transcription Dynamics in Single Cells
Larson,Daniel	ZIA BC 011409	Gene Expression Profiling and RNA visualization with Single-Molecule FISH
Lazarevic,Vanja	ZIA BC 011431	Role of T-bet in the pathogenesis of experimental autoimmune encephalomyelitis
Lazarevic,Vanja	ZIA BC 011432	Regulation of T-bet expression in TH17 cells by microRNAs
Le Grice,Stuart	ZIA BC 010493	High-Resolution Protein and Nucleic Acid Footprinting
Le Grice,Stuart	ZIA BC 010494	HIV-1 RNase H as a Therapeutic Target
Le Grice,Stuart	ZIA BC 010495	Unnatural Amino Acids as Probes of Protein Structure and Function
Le Grice,Stuart	ZIA BC 011443	Single-Molecule Spectroscopy of HIV-1 Replication Complexes
Lee,Kyung	ZIA BC 010680	Characterization of the hCenexin-Plk1 interaction at the centrosomes
Lee,Kyung	ZIA BC 010681	Development of anti-polo-box therapeutic agents
Lee,Kyung	ZIA BC 011324	Centrosomal proteins in the regulation of spindle bipolarity and ciliogenesis
Lee,Byungkook	ZIA BC 011233	Structural Bioinformatics
Lee,Byungkook	ZIA BC 011238	Computational Biology
Lee,Maxwell	ZIA BC 011250	Informatics Solutions to Biomedical Research
Lee,Maxwell	ZIA BC 011253	Genetics and Epigenetics of Cancer
Lee,Maxwell	ZIA BC 010986	Allele-specific gene expression and epigenetic information
Levens,David	ZIA SC 009144	Mechanisms of transcription factor integration at the c-myc promoter
Levens,David	ZIA BC 011011	The genome-wide function of supercoiling and alternative DNA conformations
Levens,David	ZIC BC 011042	Global changes in specific histone modifications in cancer
Levens,David	ZIA BC 011465	c-Myc Function
Lewandoski,Mark	ZIA BC 010338	The Role of Fgf Signaling in Vertebrate Development
Lewandoski,Mark	ZIA BC 010518	Role of BMP and FGF signaling during limb development
Lewandoski,Mark	ZIA BC 011321	Identification and characterization of FGF target genes
Lewis,Brian	ZIA BC 011223	Function of O-GlcNAc-modified Human RNA Polymerase II in Transcription
Lewis,Brian	ZIA BC 011338	Functional Analysis of the REL Transcription Factors in B-Cells

Lichten,Michael	ZIA BC 005268	Mechanism of Meiotic Recombination
Lin,Pengnian Charles	ZIA BC 011390	Vascular Biology in Cancer
Linehan,W. Marston	ZIA BC 011028	Clinical Studies of the Molecular Genetic Basis of Kidney Cancer
Linehan,W. Marston	ZIA BC 011038	Molecular Therapeutics of Kidney Cancer: VHL Gene and Fumarate Hydratase Gene
Linehan,W. Marston	ZIA BC 011043	Molecular Therapeutics of Kidney Cancer: MET Gene and BHD Gene
Linehan,W. Marston	ZID BC 011089	Clinical Nursing and Data Management Core
Linehan,W. Marston	ZID BC 011092	Urologic Oncology Branch Consult Core
Linnoila,Iлона	ZIA SC 000167	Molecular Pathology of Pulmonary Carcinogenesis
Lipkowitz,Stanley	ZIA SC 007263	TRAIL-induced Cell Death in Breast Cancer Cells
Lipkowitz,Stanley	ZIA BC 010977	Cbl Proteins as Regulators of Tyrosine Kinase Signaling
Liu,Zheng-Gang	ZIA SC 010376	TNF Signaling and Cell Death
Liu,Zheng-Gang	ZIA BC 010783	Inflammation, Macrophage Differentiation, and Cancer
Loncarek,Jadranka	ZIA BC 011459	Control of centrosome biogenesis
Lowy,Douglas	ZIA BC 008905	Tumor gene expression in vitro and in vivo
Lowy,Douglas	ZIA BC 010579	Papillomavirus Virion Proteins and Vaccines
Luo, Ji	ZIA BC 011259	Effect of the Ras oncogene on genomic stability
Luo, Ji	ZIA BC 011302	Screen for Ras inhibitors
Luo, Ji	ZIA BC 011303	Ras oncogene induced protein SUMOylation changes
Luo, Ji	ZIA BC 011304	New shRNA vectors for mammalian genetic analysis
Luo, Ji	ZIA BC 011397	Alternative splicing in Ras transformed cells
Luo, Ji	ZIA BC 011437	Focused siRNA screening using validated siRNA libraries
Luo, Ji	ZIA BC 011438	Pooled shRNA screens for target discoveries in cancer
Mackall,Crystal	ZIA BC 011069	Biology and Therapy of Lymphopenia
Mackall,Crystal	ZIA BC 011073	Immunobiology and Immunotherapy of Pediatric Tumors
Mackall,Crystal	ZIA BC 011074	Clinical Program in Pediatric Sarcomas
Mackem,Susan	ZIA BC 011118	Role of Shh in developmental patterning and proliferation of digit skeleton
Mackem,Susan	ZIA BC 011119	Hoxd gene functions in digit morphogenesis and role of Gli3-Hoxd interaction

Mackem,Susan	ZIA BC 011120	Genome-wide identification of target promoters of developmental regulators
Mackem,Susan	ZIA BC 011121	RNA interference approach to dissect roles of notochord regulators
Mackem,Susan	ZIA BC 011319	Role of FIR in limb morphogenesis
Madan,Ravi	ZIA BC 011280	Cancer Therapy Trials using novel vaccine platforms
Madan,Ravi	ZIA BC 011281	Combination therapies involving novel cancer vaccines
Maldarelli, Frank	ZIA BC 010819	HIV-1 Genetic Variation in Infected Individuals
Maldarelli, Frank	ZIA BC 011464	Clinical Interventional Studies of HIV Reservoirs
Maldarelli, Frank	ZIA BC 011466	HIV Persistence During Suppressive Antiretroviral Therapy
Martin, Kimberly	ZIJ BC 011285	CCR Education and Outreach
Maurizi, Michael	ZIA BC 005597	Biochemistry of Energy-Dependent (Intracellular) Protein Degradation
Maurizi, Michael	ZIA BC 011446	The ClpP protease as a therapeutic target in bacterial and mammalian cells
McKinnon, Katherine	ZIC BC 010936	CCR VB FACS CORE
McMahon, James	ZIC BC 010469	Molecular Targets Development Program
McNally, James	ZIA BC 010561	Transcription factor mobility
McNally, James	ZIC BC 010571	Fluorescence Imaging Facility
McVicar, Daniel	ZIA BC 010300	Signal Transduction of Paired Inhibitory Receptors of NK Cells and Macrophages
McVicar, Daniel	ZIA BC 010747	Characterization of the Expression and Ligands of KIR3DS1
Meltzer, Paul	ZIA BC 010759	Functional Genomics of Sarcoma
Meltzer, Paul	ZIA BC 011088	Functional genomics of breast cancer
Meltzer, Paul	ZIA BC 011091	Cancer Genomics Technology Development
Meltzer, Paul	ZIA BC 011328	Characterization of the Osteosarcoma Genome
Meltzer, Paul	ZIC BC 011331	CCR Sequencing Facility
Merino, Maria	ZIE SC 000853	Translational Surgical Pathology
Merino, Maria	ZIA BC 010696	Study of Hereditary Renal and Other Familial Syndromes
Merino, Maria	ZIA BC 011405	microRNA Profiling in the Spectrum of Kidney Tumors
Merino, Maria	ZIA BC 011406	miRNA profiling of prostate cancer.
Merlino, Glenn	ZIA BC 008756	Genetically Engineered Mouse Models to Study RTK Function in Melanoma

Merlino,Glenn	ZIA BC 010871	Use of Mouse Models of Human Rhabdomyosarcoma to Study Progression to Metastasis
Merlino,Glenn	ZIA BC 011167	A novel preclinical model of spontaneous metastasis
Miettinen,Markku	ZID BC 011291	General Surgical Pathology
Miettinen,Markku	ZIA BC 011427	Immunohistochemical analysis of tumors
Miller,Robert	ZID SC 006329	Clinical Radiation Physics Service
Miller,Robert	ZIA SC 006330	Radiation Field Modeling and Computerized Treatment Planning
Miller,Robert	ZIA BC 010516	Gated Optical Detectors/Dose Guided Radiotherapy
Milne,Jacqueline	ZIA BC 010412	Structural Analysis of Macromolecular Complexes by Electron Microscopy
Milne,Jacqueline	ZIA BC 010827	Structural Studies of Bacterial Architecture Using Electron Tomography
Misteli,Tom	ZIA BC 010309	Nuclear Architecture and Disease
Mitchell,James	ZIA SC 006321	Modulation of Therapeutic Response
Mitchell,James	ZIA SC 006387	Nitroxides as Protectors Against Oxidative Stress
Mitchell,James	ZIA BC 010787	Redox Imaging using Nitroxides and MRI
Mitchell,James	ZIA BC 010946	Protection against Radiation-Induced Carcinogenesis
Mitsuya,Hiroaki	ZIA SC 006738	Development of Antiviral Therapy of HIV-1 Infection
Mitsuya,Hiroaki	ZIA BC 011105	Study of HIV Protease Dimerization (PD) and Identification of PD Inhibitors
Mitsuya,Hiroaki	ZIA BC 011109	Study of Structures of CCR5 and Its Interactions with CCR5 Inhibitors
Mock,Beverly	ZIA BC 010008	The Genetics of Susceptibility to Mouse Plasma Cell Tumors
Mock,Beverly	ZIA BC 011064	A Modifier of Plasmacytoma Susceptibility Maps to Mouse Chr 1
Mock,Beverly	ZIA BC 011065	Preclinical Testing of HDAC and mTOR Inhibitors
Morrison,Deborah	ZIA BC 010329	Regulation of Ras-Dependent Signal Transduction Pathways
Morrison,Deborah	ZIC BC 011083	Protein Chemistry Core
Morrison,Deborah	ZIA BC 011107	Analysis of the Function and Regulation of Protein Scaffolds and Signal Modulators in Normal and Oncogenic Signaling
Muegge,Kathrin	ZIA BC 010014	Epigenetic control during embryogenesis
Neckers,Leonard	ZIA SC 010074	Role of HSP90 Family Chaperone Proteins in Cellular Signal Transduction
Neckers,Leonard	ZIA BC 010683	Role of FH loss in development of HLRCC hereditary kidney cancer
Neckers,Leonard	ZIA BC 011032	Post-translational modifications of Hsp90 that impact drug efficacy

Nicklaus,Marc	ZIC BC 010517	Large Databases of Small Molecules - Drug Development Tool and Public Resource
Nicklaus,Marc	ZIA BC 010524	HIV Integrase Modeling and Computer-Aided Inhibitor Development
Nicklaus,Marc	ZIC BC 010639	In Silico Screening for Cancer Targets
Nicklaus,Marc	ZIA BC 010832	Fundamentals of Ligand-Protein Interactions
Nicklaus,Marc	ZIA BC 011336	Tools for Prediction of Drug Metabolism and Metabolites
Noer,Kathleen	ZIC BC 011236	CCR-Frederick Flow Cytometry Core
Nussenzweig,Andre	ZIA BC 010283	DNA Repair
Nussenzweig,Andre	ZIA BC 010959	Relationship between DNA damage detection and signaling
Nussinov,Ruth	ZIA BC 010440	Protein Structure, Stability, and Amyloid Formation
Nussinov,Ruth	ZIA BC 010441	Biomolecular Recognition and Binding Mechanisms
Nussinov,Ruth	ZIA BC 010442	Method Development: Efficient Computer Vision Based Algorithms
O'Huigin,Colm	ZIC BC 011237	CIP Genomics Core
O'Keefe,Barry	ZIA BC 011471	Cell-free assay technologies for the identification of active compounds
O'Keefe,Barry	ZIA BC 011472	Isolation of antiviral proteins from natural product extracts.
Oberdoerffer,Shalini	ZIA BC 011293	Impact of chromatin structure on alternative splicing of CD45 pre-mRNA
Oberdoerffer,Shalini	ZIA BC 011294	Conditional manipulation of hnRNPLL expression in murine models
Oberdoerffer,Philipp	ZIA BC 011282	RNAi screen for chromatin modifiers in DNA repair and aging
Oberdoerffer,Philipp	ZIA BC 011283	Investigating the role of DNA breaks in mammalian aging
Oberdoerffer,Philipp	ZIA BC 011375	Investigating the role of SIRT1 in hematopoietic stem cell maintenance
Oberholtzer,J.	ZIE BC 011384	Anatomic Pathology Residency Program
Oppenheim,Joost	ZIA BC 009369	Studies of Chemokine-Receptor Interactions with Chemokines and alarmins
Oppenheim,Joost	ZIA BC 010707	Role of T regulatory suppression in autoimmunity and cancer
Oppenheim,Joost	ZIA BC 010708	Consequences of receptor cross talk on inflammation and algesia
Pack,Svetlana	ZID BC 011349	Development of FISH Molecular Diagnostics to support Clinical Trials at NCI
Palena,Claudia	ZIC BC 010937	Novel Targets for Vaccine Therapy
Parent,Carole	ZIA BC 010418	Signaling Events Regulating Chemotaxis
Parent,Carole	ZIA BC 011216	CHEMOTACTIC SIGNALS REGULATING HUMAN NEUTROPHIL AND BREAST METASTATIC MIGRATION

Park,Jung-Hyun	ZIA BC 011214	Post-Transcriptional Regulation of Interleukin-7 Receptor Expression
Park,Jung-Hyun	ZIA BC 011215	Immune Regulatory Roles of Suppressor Of Cytokine Signaling (SOCS) Molecules
Parkhurst,Maria	ZIC BC 011030	Peptide Synthesis Core Facility and Peptide Epitope Identification
Pastan,Ira	ZIA BC 010020	Clinical Trials with Immunotoxins
Pastan,Ira	ZIA BC 010298	Growth Regulation Section
Pastan,Ira	ZIA BC 008753	Immunotoxin Therapy of Solid and Hematopoietic Tumors: Preclinical Studies
Paterson,Bruce	ZIA BC 005258	Molecular Studies of Eukaryotic Gene Regulation
Pathak,Vinay	ZIA BC 010595	Structure and Function of APOBEC3 Proteins
Pathak,Vinay	ZIA BC 011435	Development of Novel Therapeutics by Targeting Vif-APOBEC3 Interactions
Pathak,Vinay	ZIA BC 011436	Mechanisms of Antiviral Drug Resistance, Host Factors and Retroviral Replication
Pavlikis,George	ZIA BC 010749	DNA Vaccines
Pavlikis,George	ZIA BC 010750	Cytokines in AIDS and Cancer
Perantoni,Alan	ZIA BC 005093	Growth/Differentiation Factors in Organogenesis
Phang,James	ZIA BC 010743	Metabolic Mechanisms for Programmed Cell Death
Phang,James	ZIA BC 010744	Regulation of Proline Oxidase for Bioenergetics during Nutrient Stress
Phang,James	ZIA BC 010746	Extracellular Matrix and Stress Substrates: the Role of Prolidase
Pinto,Peter	ZIE BC 011023	Clinical Fellowship Training Program
Pinto,Peter	ZIA BC 011081	Prostate Section
Poirier,Miriam	ZIA BC 005177	Interaction of Chemical Carcinogens and Chemotherapeutic Agents with DNA
Poirier,Miriam	ZIA BC 010770	Genotoxicity and mitochondrial toxicity of antiretroviral NRTI and PI drugs
Pommier,Yves	ZIA BC 007333	Pharmacology of HIV Viral DNA & Retroviral Integrases
Pommier,Yves	ZIA BC 006161	DNA Topoisomerases as Target of Action of Anticancer Drugs
Pommier,Yves	ZIA BC 006150	DNA Repair, Cell Cycle Checkpoints and Apoptosis as Targets for Anticancer Drugs
Popescu,Nicholas	ZIA BC 010038	Molecular Cytogenetics of Solid Tumors
Qasba,Pradman	ZIA BC 009304	Structure-Function Studies and Design of Novel Glycosyltransferases
Qasba,Pradman	ZIA BC 010742	Utilizing Glycosyltransferases for Bioconjugation
Qasba,Pradman	ZIA BC 010804	Using Glycosyltransferases for the Development of Targeted Drug Delivery System

Qasba,Pradman	ZIA BC 011385	Detection of Specific Glycan Moieties on the Cell Surface
Rader,Christoph	ZIA BC 010647	Antibody Engineering for Therapy and Diagnosis of Hematologic Malignancies
Rader,Christoph	ZIA BC 010648	Discovery of Drugs, Targets, and Target Strategies for Immunotherapy of CLL
Raffeld,Mark	ZIC BC 011079	Molecular Diagnostics Core Laboratory
Raffeld,Mark	ZIC BC 011087	Immunohistochemistry Core Laboratory
Ramamurthi,Kumaran	ZIA BC 011211	Subcellular protein localization in B. subtilis
Randazzo,Paul	ZIA BC 007365	Regulation of ADP-ribosylation factor
Reilly,Karlyne	ZIA BC 010539	Identification of Modifier Gene of Tumors Associated with NF1 and Astrocytoma
Reilly,Karlyne	ZIA BC 010540	Molecular Mechanisms of Proliferation and Infiltration of Astrocytoma
Reilly,Karlyne	ZIA BC 010541	Development of Mouse Astrocytoma Model for Preclinical Testing
Rein,Alan	ZIA BC 010511	Retrovirus Assembly and Maturation
Rein,Alan	ZIA BC 010512	Interactions of Retroviral Proteins with Nucleic Acids
Rein,Alan	ZIA BC 010773	Interactions of APOBEC3 Proteins with Murine Leukemia Viruses
Rein,Alan	ZIA BC 011325	Retrovirus Biology
Restifo,Nicholas	ZIA BC 010763	Building on the success of the adoptive immunotherapy of cancer
Restifo,Nicholas	ZIA BC 011037	Developing new immunotherapies based of CD4+ T cells
Ried,Thomas	ZIA BC 010833	Identification and functional characterization of colorectal cancer genes
Ried,Thomas	ZIA BC 010834	Identifying Diagnostic Markers for Cervical, Breast, and Prostate Cancer
Ried,Thomas	ZIA BC 010835	Consequences of Genomic Instability and Aneuploidy on the Colorectal Cancer Transcriptome
Ried,Thomas	ZIA BC 010837	Prediction of Therapy Response in Colorectal Cancer
Robbins,Paul	ZIC BC 010948	DNA Sequencing and FACS Core Facilities
Robert-Guroff,Marjorie	ZIA BC 011058	Development of a Vaccine for HIV/AIDS: Humoral Immunity
Robert-Guroff,Marjorie	ZIA BC 011062	Development of a Vaccine for HIV/AIDS: Cellular Immunity
Robert-Guroff,Marjorie	ZIA BC 011063	Development of a Vaccine for HIV/AIDS: Translation to the Clinic
Roberts,David	ZIA SC 009174	Roles of Glycoconjugates and Redox Signaling in Tumor Biology
Roberts,David	ZIA SC 009172	Cellular Interactions with Thrombospondin
Roberts,David	ZIA SC 009173	Host Colonization and Vascular Dissemination of Candida albicans

Roche,Paul	ZIA BC 009404	Regulation of MHC Class II Trafficking in Antigen Presenting Cells
Roche,Paul	ZIA BC 011033	Mechanisms of MHC Class II Association with Plasma Membrane Microdomains
Roche,Paul	ZIA BC 011035	Regulation of Exocytosis from Immune Cells
Rong,Yikang	ZIA BC 010446	DNA Double Strand Break Repair in Drosophila Melanogaster
Roschke,Anna	ZIC BC 010930	Molecular Cytogenetics Core
Rosenberg,Steven	ZID SC 003800	Surgical Consultants & Collaborative Research Involving Surgical Services at NIH
Rosenberg,Steven	ZIA BC 010984	Adoptive Cell Transfer Immunotherapy of Cancer
Rosenberg,Steven	ZIA BC 010985	Gene therapy of cancer
Rubin,Jeffrey	ZIA BC 010251	R-spondins, Secreted Frizzled-Related Proteins and the Regulation of Wnt Signaling
Rubin,Jeffrey	ZIA BC 011224	Casein Kinase 1 Delta in Wnt Signaling and Beyond
Rudloff,Udo	ZIA BC 011267	Preclinical drug development in pancreas cancer
Ruscetti,Sandra	ZIA BC 005657	Molecular Basis for the Pathogenesis of Murine Retroviruses
Ruscetti,Francis	ZIA BC 009264	Cytokine Regulation of Normal and Neoplastic Hematopoietic Cell Growth
Ruscetti,Francis	ZIA BC 010252	Pathogenic Effects of Human Retroviruses on Hematopoietic and Adherent Cells.
Salomon,David	ZIA BC 009003	The Role of Cripto in the Pathogenesis of Breast and Colon Cancer
Samelson,Lawrence	ZIA BC 010304	Biochemical Basis of T Cell Activation
Sayers,Thomas	ZIA BC 010012	Mechanisms of Immune-mediated Tumor Cell Destruction
Sayers,Thomas	ZIA BC 011056	Promoting tumor cell apoptosis by death ligands
Schiller,John	ZIA BC 009052	Papillomavirus Virion Proteins and Vaccines
Schlom,Jeffrey	ZIA BC 010425	Strategies for Therapeutic Cancer Vaccine Clinical Trials
Schlom,Jeffrey	ZIA BC 010598	Human Immune Responses to Tumor Antigens for Cancer Vaccine Development
Schlom,Jeffrey	ZIA BC 010944	Strategies for Cancer Vaccine Development: Preclinical Studies
Schneekloth,John	ZIA BC 011449	Identification of Inhibitors of Protein Sumoylation
Schneekloth,John	ZIA BC 011451	Synthesis and Study of Inhibitors of Ubiquitin Ligases
Schneekloth,John	ZIA BC 011452	Synthesis of Anti-Alzheimer's Oligomeric Compounds
Schneider,Joel	ZIA BC 011313	Design and Utility of Novel Proteinaceous Biomaterials
Schneider,Joel	ZIA BC 011314	Development of antibacterial agents and materials

Schrump,David	ZIA SC 010093	Targeting the Epigenome for Lung Cancer Therapy
Schrump,David	ZIA BC 011115	Epigenetic Mechanisms of Gene Expression in Lung Cancer Cells
Schrump,David	ZIA BC 011122	Epigenetic Alterations Induced by Tobacco Smoke
Schrump,David	ZIA BC 011418	Modulating Cancer Stem Cell Signaling in Thoracic Malignancies
Segal,David	ZIA BC 009254	Structure and Function of Toll-like Receptors
Segal,David	ZIA BC 010879	Role of Toll-like receptors in the generation of acquired immunity
Shapiro,Bruce	ZIA BC 008382	Computational Approaches for RNA Structure/Function Determination
Shapiro,Bruce	ZIA BC 011061	Computational and Experimental RNA Nanobiology
Sharan,Shyam	ZIA BC 010387	Functional Analysis of Breast Cancer Susceptibility Genes in Mice
Sharan,Shyam	ZIA BC 011181	Functional Analysis of Variants Identified in Human Breast Cancer Susceptibility Genes
Sharan,Shyam	ZIA BC 011311	Identification of genetic interactors of Brca2
Sharrow,Susan	ZIC BC 009255	Application of Flow Cytometry to Cell Biology
Shaw,J. Stephen	ZIA BC 009257	Mechanisms of Cellular Immune Responses
Shaw,J. Stephen	ZIA BC 010993	Molecular architecture of lymphocyte cortex
Shaw,J. Stephen	ZIA BC 010994	Lymphocyte membrane-proximal basophilic kinases
Shaw,J. Stephen	ZIA BC 010995	ERM phosphorylation in lymphocytes
Shaw,J. Stephen	ZIA BC 010996	Molecular mechanisms of ERM regulation
Shilling,Jeffrey	ZIH BC 011235	Support of NCI CCR Clinical Research and Bioinformatics
Simone,Nicole	ZIA BC 010873	Underlying Cause of Radiation-induced Fibrosis
Simone,Nicole	ZIA BC 011184	Mechanism of Radiation Affects on microRNA
Simpson,R. Mark	ZIG BC 010931	Comparative Biomedical Scientist Training Program
Simpson,R. Mark	ZIC BC 010953	Molecular Pathology Research for Cancer Diagnostics and Biomarkers
Singer,Dinah	ZIA BC 009279	Regulation of Expression of MHC Class I Genes
Singer,Dinah	ZIA BC 009285	Responses of MHC Class I Genes to Exogeneous Stimuli
Singer,Dinah	ZIA SC 010375	TAF7: A Check-point Regulator in Transcription Initiation
Singer,Dinah	ZIA BC 011381	Brd4 is an atypical kinase that regulates transcription
Singer,Dinah	ZIA BC 011425	Expression of class I in Treg cells

Singer,Alfred	ZIA BC 009273	T Cell Differentiation and Repertoire Selection
Singer,Alfred	ZIA BC 011106	Specification of T cell function during development
Singer,Alfred	ZIA BC 011111	Cytokine signaling in developing thymocytes and T cells
Singer,Alfred	ZIA BC 011112	Development and function of regulatory T cells
Singer,Alfred	ZIA BC 011113	T cell survival
Singer,Alfred	ZIA BC 011114	Role of microRNAs in T cell development
Singer,Alfred	ZIA BC 011116	MHC-independent T cells
Singer,Alfred	ZIA BC 011117	T cell receptor regulation of cytokine signaling
Smart,DeeDee	ZIA BC 011222	CNS sirtuins in radiation-induced vascular permeability and neurodegeneration
Smart,DeeDee	ZIA BC 011330	Tumor heterogeneity in breast cancer brain metastasis after brain radiation
Smart,DeeDee	ZIA BC 011333	Neuropsychological outcome measures in patients receiving whole brain radiation
Smith,Gilbert	ZIA BC 010021	Biology of Mammary Gland Development and Tumorigenesis
Srinivasula,Srinivasa (Murty)	ZIA BC 010629	Characterization of Signaling Pathways involved in Cell Death and Survival
St. Croix,Brad	ZIA BC 010483	TEM5 Ligand Hunt
St. Croix,Brad	ZIA BC 010484	Functional Analysis of TEM5 and TEM8
St. Croix,Brad	ZIA BC 010486	Search for New Tumor Endothelial Markers
St. Croix,Brad	ZIA BC 010578	Targeting TEMs in Preclinical Tumor Models
St. Croix,Brad	ZIA BC 010736	Using mouse knockouts to unravel endothelial gene function
Staudt,Louis	ZIA BC 011006	Molecular diagnosis and outcome prediction in lymphoma
Staudt,Louis	ZIA BC 011007	RNA interference-based screens for molecular targets in cancer
Staudt,Louis	ZIA BC 011008	Oncogenic mechanisms and molecular targets in lymphoma
Staudt,Louis	ZIA BC 011010	Oncogenic mechanisms and molecular targets in myeloma
Steakley,Caryn	ZID BC 010882	Center for Cancer Research Clinical Trials Support
Steakley,Caryn	ZID BC 010987	Center for Cancer Research Patient Travel
Steakley,Caryn	ZID BC 010988	Center for Cancer Research Clinical Trials Data Management Service
Steeg,Patricia	ZIA SC 000892	Molecular Biology of the Metastatic Phenotype
Steeg,Patricia	ZIA BC 010538	Molecular Analysis of Breast Cancer Metastasis to the Brain

Steinberg,Seth	ZID SC 007202	Biostatistics and Data Management Section
Sterneck,Esta	ZIA BC 010307	Molecular Mechanisms Regulating Mouse Mammary Gland and Human Breast Tumor Cells
Stetler-Stevenson, Maryalice	ZIC SC 009372	Flow Cytometric Analysis of Benign and Malignant Tumors
Stetler-Stevenson, Maryalice	ZIC BC 011093	Flow Cytometric Detection of Malignant Cells in Body Fluids
Stetler-Stevenson, Maryalice	ZIC BC 011104	Flow Cytometric Evaluation of Biomarkers
Stetler-Stevenson, William	ZIA SC 009179	The Role of TIMPs in Cell Growth and Differentiation: Tumor Angiogenesis
Stetler-Stevenson, William	ZIA BC 011204	Preclinical development of Ala+TIMP-2 as an cancer therapeutic
Stommel,Jayne	ZIA BC 011403	Mechanistic investigation of the RTK cooperation paradigm in vitro and in vivo
Stommel,Jayne	ZIA BC 011404	RTK effector gene discovery.
Stommel,Jayne	ZIA BC 011441	Cell density effects on therapeutic sensitivity
Stommel,Jayne	ZIA BC 011442	Reporter Constructs for Target Gene Discovery
Stracke,Mary	ZIA BC 010935	Regulation of Metastasis and Angiogenesis by Autotaxin and its Products
Strathern,Jeffrey	ZIA BC 010380	Recombination and Regulation
Strathern,Jeffrey	ZIA BC 010992	Fidelity of Transcription
Strathern,Jeffrey	ZIA BC 011350	Molecular Discovery Program
Subramaniam,Sriram	ZIA BC 010278	Imaging cellular assemblies with three-dimensional electron microscopy
Subramaniam,Sriram	ZIA BC 010824	Molecular structure of the bacterial chemotaxis apparatus
Subramaniam,Sriram	ZIA BC 010825	HIV neutralization and mechanisms of cellular entry
Subramaniam,Sriram	ZIA BC 010826	Technology Development for 3D Electron Microscopy
Swing,Deborah	ZIC BC 010903	Transgenic Core Facility
Tanner,Kandice	ZIA BC 011433	The role of coherent angular motion in adult tissue remodeling
Tarasov,Sergey	ZIC BC 010965	CCR Biophysics Resource Core
Tarasova,Nadya	ZIA BC 011306	Inhibitors of protein-protein interactions
Tarasova,Nadya	ZIA BC 011307	Self-assembling protoviral nanoparticles
Telford,William	ZIC BC 011138	FACS Core Facility
Telford,William	ZIC BC 011139	Application of novel laser technology for flow cytometric analysis.
Tessarollo,Lino	ZIA BC 010391	Role of Trk Receptors in the Development and Function of Non-neuronal Structures

Tessarollo,Lino	ZIA BC 010390	Role of Neurotrophins in the Development of the Mammalian Nervous System
Tessarollo,Lino	ZIC BC 011265	Gene Targeting Facility
Thiele,Carol	ZIA BC 010788	Regulation of Differentiation of Pediatric Embryonal Tumors- Neuroblastoma
Thiele,Carol	ZIA BC 010789	Pathophysiologic Consequences of Neurotrophin Activation of Trk in Neuroblastoma
Thorgeirsson,Snorri	ZIA BC 005453	Cellular and Molecular Biology of the Hepatic Stem Cell Compartment
Thorgeirsson,Snorri	ZIA BC 010638	The role of c-met in liver biology
Thorgeirsson,Snorri	ZIA BC 011031	Cancer stem cells and human liver cancer
Thorgeirsson,Snorri	ZIA BC 011170	Comparative Functional Genomics
Thorgeirsson,Snorri	ZIA BC 011173	Genomic Classification of Human Liver Cancer
Thorgeirsson,Snorri	ZIA BC 011175	Validation of Therapeutic Target Genes in Human Liver Cancer
Tofilon,Philip	ZIA BC 011372	Microenvironmental regulation of glioblastoma radiosensitivity
Tofilon,Philip	ZIA BC 011373	Radiation-induced translational control of gene expression
Tosato,Giovanna	ZIA SC 010355	Angiogenesis and Tumor Growth
Tosato,Giovanna	ZIA SC 010356	A Role for KSHV in the Pathogenesis of Malignancies
Tosato,Giovanna	ZIA BC 010782	Study of the Roles of SDF1 and CXCR4 in Hematopoiesis
Trepel,Jane	ZIC SC 006743	Signal Transduction Events and the Regulation of Cell Growth
Trinchieri,Giorgio	ZIA BC 010793	Role of inflammation, innate resistance, and immunity in carcinogenesis.
Trinchieri,Giorgio	ZIA BC 011152	Regulation of human dendritic cell activation
Trinchieri,Giorgio	ZIA BC 011153	Role of mouse microbiome in cancer and inflammation
Tropea,Joseph	ZIC BC 011016	Protein Production
Tsang,Kwong	ZIA BC 010972	Identification of human tumor-associated antigens
Tsang,Kwong	ZIA BC 010973	Analyses of human T regulatory cells
Tsokos,Maria	ZIA SC 010058	Regulation of Apoptosis in Ewing Sarcoma
Tsokos,Maria	ZID SC 009394	Diagnostic Electron Microscopy (EM)
Tsokos,Maria	ZIC SC 009431	Histologic and Molecular Characterization of Solid Pediatric Tumors
Udey,Mark	ZIA SC 003669	Regulation of Cutaneous Accessory Cell Activity in Health and Disease
Udey,Mark	ZIA BC 010956	EpCAM (CD326) Function in Epithelial Cell Biology and Immunophysiology

Udey,Mark	ZIA BC 010976	Role of MFG-E8 in Tumor Biology and Immunophysiology
Van Dyke,Terry	ZIC BC 011137	Center for Applied Preclinical Research (CAPR)
Van Dyke,Terry	ZIA BC 011217	Preclinical Characterization of Drugs in Mouse Model of Lung Cancer
Van Dyke,Terry	ZIA BC 011240	Pathway Analysis in Mouse Model for Astrocytoma via Systems Biology Approach
Van Dyke,Terry	ZIA BC 011353	Development and validation of preclinical mouse model for serous ovarian cancer
Van Dyke,Terry	ZIA BC 011411	Development of ES/iPSC approach for non-germline GEM modelling
Van Dyke,Terry	ZIA BC 011462	Establishing the Preclinical Model for Metastatic Melanoma
Van Dyke,Terry	ZIA BC 011463	Adoption and Retooling of GEM model for Pancreatic Cancer
Van Dyke,Terry	ZIA BC 010880	Mechanisms of Prostate Tumorigenesis Using Genetically Engineered Mouse Models
Van Dyke,Terry	ZIA BC 011017	The study of underlying mechanism of EGFR-Ras signaling in glioblastoma
Van Dyke,Terry	ZIA BC 011192	The Mechanism of Thymic Lymphomagenesis in Genetically Engineered Mouse Model
Van Dyke,Terry	ZIA BC 011278	Mechanisms of Early Stage Mammary Tumorigenesis
Van Dyke,Terry	ZIA BC 011456	Rb TS inhibition dedifferentiates astrocytes leading to Astrocytoma initiation
Van Dyke,Terry	ZIA BC 011457	Characterization of the invading cells in glioblastoma
Vinson,Charles	ZIA BC 005271	Gene Regulation and Function: The B-ZIP Proteins
Vocke,Cathy	ZIC BC 011044	Tissue Processing/Sequencing Core
Voss,Ty	ZIC BC 011453	Development and Execution of Collaborative High-Throughput Microscopy Assays
Wakefield,Lalage	ZIA BC 005785	TGF-betas in breast cancer progression
Wakefield,Lalage	ZIA BC 010881	Development of TGF-beta antagonists for cancer therapy
Waldmann,Thomas	ZIA SC 004002	IL-2/IL-15 Cytokine Receptor: Implications for Cancer Therapy and Vaccine Design
Waldmann,Thomas	ZIB BC 010906	Interleukin-15 Production for Treatment of Patients with Metastatic Malignancy
Wang,Xin Wei	ZIA BC 005793	Mechanism of viral hepatitis-mediated hepatocarcinogenesis
Wang,Xin Wei	ZIA BC 010313	Molecular signatures for liver cancer diagnosis and treatment stratification
Wang,Xin Wei	ZIA BC 010876	The role of cancer stem cells in liver cancer heterogeneity and subtypes
Wang,Xin Wei	ZIA BC 010877	The identification of human hepatocellular carcinoma metastasis genes
Wang,Ji Ming	ZIA BC 010015	The Role of Cellular Receptors Involved in Inflammation and Tumor Progression
Wang,Ji Ming	ZIA BC 010725	Role of Formylpeptide Receptors in Host Defense

Wang,Yun-Xing	ZIA BC 010379	Search for the Structural Basis of Biomacromolecular Function and Activity
Ward,Yvona	ZIC BC 010947	Cell and Cancer Biology Branch Confocal Microscopy Core
Warren,Katherine	ZIA BC 010580	Phase II Trial of PEG-Intron in Children with Diffuse Pontine Gliomas
Warren,Katherine	ZIA BC 010589	Imaging as a Biomarker for Diffuse Intrinsic Brainstem Gliomas
Warren,Katherine	ZIA BC 010590	Phase II Trial of O6-Benzylguanine and Temozolomide in Pediatric Patients with High-Grade Gliomas and Brainstem Gliomas
Warren,Katherine	ZIA BC 010709	An Exploratory Study of Biologic and Pathophysiologic Effects of Radiation Therap
Warren,Katherine	ZIA BC 010800	Convection enhanced delivery of agents into the brainstem of patients with diff
Warren,Katherine	ZIA BC 011447	Clinical Development of New Agents for Children with CNS Tumors
Warren,Katherine	ZIA BC 011448	Investigation of Immune Status and Function in Children with CNS Tumors
Warren,Katherine	ZIA BC 011018	Differential Gene Expression and Targeting of Gliomas Using Radiation
Warren,Katherine	ZIA BC 011019	Diffuse Intrinsic Pontine Glioma Genomic Study
Warren,Katherine	ZIA BC 011298	Ph I Radiation and Lenalidomide in pediatric malignant glioma
Warren,Katherine	ZIA BC 011299	Noninvasive Evaluation of Pediatric CNS Tumors
Warren,Katherine	ZIA BC 011340	Preclinical development of new therapeutics for children with CNS Tumors
Warren,Katherine	ZIA BC 011407	Establishment of an International DIPG Registry
Waugh,David	ZIA BC 010341	Protein Expression and Purification in the Fast Lane
Waugh,David	ZIA BC 010342	Structural Proteomics of the Yersinia Yop Virulon
Waugh,David	ZIA BC 010780	Structural studies of molecular cancer targets and drug development
Wayne,Alan	ZIC SC 010353	Experimental Therapeutics of Pediatric Hematopoietic Malignancies
Wayne,Alan	ZIE BC 010764	Pediatric Oncology Branch Clinical Care and Education
Wayne,Alan	ZIC BC 011288	Behavioral Science Core
Weissman,Allan	ZIA BC 009392	Determining the Fate of Transmembrane Proteins
Weissman,Allan	ZIA BC 010292	Enzymes and Substrates of the Ubiquitin Conjugating System
Wells,Samuel	ZIA BC 011388	molecular analysis of medullary thyroid carcinoma tissues
Wells,Samuel	ZIA BC 011389	small molecule therapy for thyroid cancer
Westlake,Christopher	ZIA BC 011398	Membrane trafficking function in primary cilium assembly and signaling
Westlake,Christopher	ZIA BC 011416	Investigation of Rabs and trafficking regulators roles in tumorigenesis

Wickner,Sue	ZIA BC 008710	Molecular Chaperones and DNA Replication
Widemann,Brigitte	ZIA SC 010354	Clinical Development of Novel Drugs for Children with Refractory Cancers
Widemann,Brigitte	ZIA BC 010801	Development of Therapies for Neurofibromatosis Type 1 Related Tumors and other Genetic Tumor Predisposition Syndromes
Wiest,Jonathan	ZIA BC 010448	Genetic Alterations in Lung Cancer
Wiest,Jonathan	ZIA BC 011108	MAP Kinase signal transduction disruption in cancer
Wiest,Jonathan	ZIJ BC 011133	CCR Office of Training and Education
Williams,Kirsten	ZIA BC 011369	Enhancing Immune Reconstitution after HSCT
Williams,Kirsten	ZIA BC 011370	The Pathogenesis and Treatment of chronic GVHD
Wilson,Wyndham	ZIA SC 006741	Lymphoma Studies
Wilson,Wyndham	ZIA BC 010715	Phase II study of flavopiridol in mantle cell lymphoma and DLBCL
Wilson,Wyndham	ZIA BC 010716	Phase I and II Study of BCL Family Inhibitors in Lymphoma
Wilson,Wyndham	ZIA BC 010717	Phase I study of bortezomib and DA-EPOCH-R with microarray in DLBCL
Wilson,Wyndham	ZIA BC 010719	Randomized Phase II study of borteozmib/EPOCH-R in Mantle cell lymphoma
Wilson,Wyndham	ZIA BC 010728	Phase III Study of R-CHOP v DA-EPOCH-R with microarray
Wilson,Wyndham	ZIA BC 011354	BCR Signaling in ABC DLBCL
Wiltrout,Robert	ZIA BC 009262	Immunophysiological Mechanisms in the Biological Therapy of Cancer
Wiltrout,Robert	ZIA BC 009322	Mechanisms Used by NKT Cells in the Control of Liver Tumors
Wiltrout,Robert	ZIA BC 010892	Characterization of the interaction between inflammation and cancer progression
Wiltrout,Robert	ZIA BC 010893	Tumor models for the study of inflammation and oncogenesis
Wiltrout,Robert	ZIC BC 011021	Basic Research Support for the CCR
Wiltrout,Robert	ZID BC 011022	Clinical Research Support for the CCR
Wink,David	ZIA SC 007281	Nitric Oxide as a Modifier of Oxidative Stress
Wink,David	ZIA BC 010898	Redox Mechanism Process of Angiogenesis and Wound Healing
Wink,David	ZIA BC 010899	Properties of redox modified NSAIDs in cancer prevention and treatment
Wink,David	ZIA BC 011190	CHemical Biology of Nitroxyl (HNO)
Winkler,Cheryl	ZIA BC 010297	Identification of Gene Polymorphisms Associated with Infectious Diseases
Winkler,Cheryl	ZIA BC 010022	Genetics of Renal Disease in African Americans

Wlodawer,Alexander	ZIA BC 010348	Protein Structure
Wolcott,Karen	ZIC BC 011428	CCR FACS Core Laboratory
Wolff,Linda	ZIA BC 011027	Animal models to study the role of INK4b loss in human acute myeloid leukemia
Wolff,Linda	ZIA BC 011039	Long distant regulation of c-myb in normal cells and acute myeloid leukemia
Wood,Bradford	ZID BC 011242	Center for Interventional Oncology
Wu,Carl	ZIA BC 005263	Eukaryotic Chromatin Structure and Gene Regulation
Wunderlich,John	ZIC BC 010905	Cell Prep Core
Xia,Di	ZIA BC 010319	Structural Analysis of Biological Membrane Proteins
Xia,Di	ZIA BC 010600	Study of AAA proteins by X-ray protein crystallography
Xia,Di	ZIA BC 010735	Structural studies of fimbriae of enterotoxigenic E. coli (ETEC)
Yamaguchi,Terry	ZIA BC 010345	The Role of Wnt Genes in Vertebrate Development and Cancer
Yang,Li	ZIA BC 011163	Host immature myeloid cells in tumor suppressor or promoter roles of TGFbeta
Yang,Li	ZIA BC 011165	Role of immature myeloid cells in premetastatic lung
Yang,James	ZIA BC 010803	Characterizing a novel tumor recognition mechanism
Yang,James	ZIA BC 011225	Identification of Molecular Factors Associated with Response to Interleukin-2
Yang,James	ZIA BC 011337	Generation of T-cell receptors recognizing antigens on non-melanoma tumors
Yarchoan,Robert	ZIA SC 006737	Development of Novel Therapies for HIV Infection
Yarchoan,Robert	ZIA BC 010885	Study of Tumor Pathogenesis and Development of Therapies for AIDS Malignancies
Yarchoan,Robert	ZIA BC 010888	Clinical Trials of Patients with AIDS-Related Malignancies
Young,Howard	ZIA BC 009283	Control of Cytokine Gene Expression in Lymphoid/Myeloid Cells
Yuspa,Stuart	ZIA BC 004504	Interacting Signaling Pathways that Initiate Squamous Cell Carcinogenesis
Yuspa,Stuart	ZIA BC 005445	Pathways that Suppress or Accelerate Premalignant Progression of Squamous Cancer
Zhang,Ying	ZIA BC 010419	Molecular Mechanisms of TGF-beta Signaling Pathway
Zhang,Ying	ZIA BC 011168	Physiological and pathological functions of E3 ubiquitin ligases Smurfs
Zheng,Zhi-Ming	ZIA SC 010357	Gene Expression and Post-Transcriptional Regulation of DNA Tumor Viruses
Zhurkin,Victor	ZIA BC 010844	DNA Folding in Chromatin and Interaction with Transcription Factors
Zhurkin,Victor	ZIA BC 010845	p53-induced Regulation of Transcription in the Chromatin Context

Ziegelbauer, Joseph	ZIA BC 011176	Functions of KSHV microRNAs
---------------------	------------------	-----------------------------