

Z Numbers - 2013 Completed Projects

2013 Project Z Numbers

| Investigator Name | Project (ZO1) Number | Project Title |
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| 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 |
| Agarwal, Piyush | ZIA BC 011527 | Androgen Receptor in Bladder Cancer |
| Agarwal, Piyush | ZIA BC 011528 | A Randomized, Prospective, Phase II Study to Determine the Efficacy of Bacillus |
| Agarwal, Piyush | ZIC BC 011531 | High Throughput Screening of Agents in Bladder Cancer Cell Lines |
| 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 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 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 |
| Arnaldez, Fernanda | ZIA BC 011493 | Molecular Oncology of Pediatric, Adolescent and Young Adult Sarcomas |
| Arnaldez, Fernanda | ZIA BC 011494 | Development of Therapeutic Approaches for Wild-Type GIST |
| 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 |

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| Austin, Stuart | ZIH BC 011161 | The automated measurement of foci in fluorescence microscopy |
| 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, 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 |
| Barr, Valarie | ZIC BC 010978 | Confocal Core for the Laboratory of Cellular and Molecular Biology |
| 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 |
| Batchelor, Eric | ZIA BC 011487 | Systems-level analysis of the regulation and function of c-Myc |
| 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 |
| Bernal, Federico | ZIA BC 011511 | Chemical Targeting of Multi-Protein Complexes |
| Berzofsky, Jay | ZIA SC 004020 | Antigen-specific T-cell Activation, Application to Vaccines for Cancer and AIDS |
| Beutler, John | ZIA BC 011470 | Development of Natural Product Leads as Anticancer Therapeutics |
| Beutler, John | ZIA BC 011469 | Building Libraries with Chemical Diversity for Screening |
| Birnbaum, Linda | ZIA BC 011476 | Studies of the fate of environmental contaminants in humans and animals |
| 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 |
| 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 Signaling as Anti-Cancer Agents |
| Bustin, Michael | ZIA BC 004496 | Chromosomal Proteins and Chromosomal Functions |
| Bustin, Michael | ZIA BC 011154 | Biological Functions of Chromosomal Proteins |

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| 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, Jinqiu | 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) |
| 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 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 |
| Cooper, Julia | ZIA BC 011519 | Telomere Biology |
| 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 |

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| 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 |
| 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 011380 | Multivalent Inhibition of Integrin α V β 3 |
| Durell, Stewart | ZIH BC 011445 | Coordination of DNA Replication, Transcription and Chromatin Assembly |
| 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 |
| 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 | ZIC BC 011068 | Laser Capture Microdissection Core Laboratory |
| Emmert-Buck, Michael | ZIA BC 011210 | Magnetic Drug Delivery for Cancer |
| Emmert-Buck, Michael | ZIA BC 010729 | Technology Development |
| 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 |

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| Filie, Armando | ZIC BC 011052 | Cytopathology Core |
| Fine, Howard | ZIA BC 010839 | Exploring the Therapeutic Potential of Stem Cell Biology in Gliomas |
| 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 011101 | Identifying New Glioma-Associated Tumor Suppressors and Oncogenes |
| 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 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 011320 | Targeting dendritic cells for selective modulation of Graft-versus-Host Disease |
| 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 |
| Gattinoni, Luca | ZIA BC 011480 | Programming T Cell Fates for Therapeutic Use |
| 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 |
| Goldstein, David | ZIC BC 011532 | CCR Bioinformatics Core |
| 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 |

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| 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 mechanisms in patients with GI cancer |
| Greten, Tim | ZIA BC 011345 | Analysis of cancer-related immune suppressor mechanisms 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 |
| Guha, Udayan | ZIA BC 011529 | In-patient hospice and rapid autopsy to interrogate tumor heterogeneity |
| 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 |
| Hammer, Jeffrey | ZIC BC 011309 | DNA Extraction Service |
| Hammer, Jeffrey | ZIC BC 011310 | Hollow Fiber Production of Monoclonal Antibodies |
| Harris, Curtis | ZIA BC 011492 | Biomarkers in Cancer Diagnosis, Prognosis, and Therapeutic Outcome |
| Harris, Curtis | ZIA BC 011495 | Integrative Molecular Epidemiology of Human Cancer |
| Harris, Curtis | ZIA BC 011496 | p53, Aging, and 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 |

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| Hatfield, Dolph | ZIA BC 010767 | Biosynthesis of Selenocysteine and Its Incorporation into Protein |
| 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 |
| Hinrichs, Christian | ZIA BC 011478 | Tumor infiltrating lymphocyte therapy for human papillomavirus-positive cancers |
| Hinrichs, Christian | ZIA BC 011479 | T-cell receptor gene therapy for human papillomavirus-positive cancers |
| 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 010975 | Vaccine and radiation for the therapy of human cancers |
| 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 IKK alpha in Skin Homeostasis and Skin Tumorigenesis |
| Hu, Yinling | ZIA BC 011391 | Role of IKK alpha 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 |
| Huang, Jing | ZIA BC 011504 | Study the roles of p53 and p53 mutants in mesenchymal stem cells |
| Hughes, Marybeth | ZIA BC 011012 | Study of Hepatic Arterial Infusion of Melphalan for Malignancy in the liver |
| Hughes, Marybeth | ZIA BC 011520 | Phase II Trial of Cytoreductive Surgery and HIPEC for ACC |
| Hughes, Stephen | ZIA BC 010481 | HIV-1 Reverse Transcriptase |
| Hughes, Stephen | ZIA BC 011426 | Integrase |
| 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 |
| Hussain, S. Perwez | ZIA BC 011162 | Integrative Molecular Profiling of Human Pancreatic Cancer |
| Hussain, S. Perwez | ZIA BC 011185 | Role of Immune and Inflammation Mediators in Progression of Pancreatic Cancer |
| Hussain, S. Perwez | ZIA BC 011485 | Forkhead-box (FOX) Transcription Factors in the Progression of Pancreatic Cancer |
| Jaffe, Elaine | ZIA SC 000550 | Lymphoma Disease Discovery and Defintion |

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| 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 |
| Johnson, Peter | ZIA BC 010328 | Role of C/EBP transcription factors in regulating cell growth and tumorigenesis |
| Jones, Jennifer | ZIA BC 011502 | Development and use of nanoFACS for analysis and sorting of nanoparticles |
| Jones, Jennifer | ZIA BC 011503 | Novel Combinations of Radiation and Immunotherapy |
| 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 (FNMTTC) |
| 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, Alexander | ZIA BC 011491 | Role of kinetochore proteins in chromosome segregation |
| 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 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 |
| Khan, Javed | ZIA BC 010806 | Targeting High-risk Neuroblastoma using high through put siRNA screening |
| Khanna, Chand | ZIA BC 010566 | Tumor and Metastasis Biology |

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| Khanna, Chand | ZIG BC 010569 | Comparative Oncology Program |
| Khanna, Chand | ZIA BC 011024 | Tumor and Metastasis Therapy |
| Kimura, Shioko | ZIA BC 005522 | Thyroid Stem/Progenitor Cells |
| Kimura, Shioko | ZIA BC 010449 | Role of Novel Cytokine-like Molecules Secretoglobulin (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 stimulatory CpG oligonucleotides |
| Klinman, Dennis | ZIA BC 010853 | Mechanism of action and therapeutic utility of immunosuppressive oligonucleotide |
| Kobayashi, Hisataka | ZIA BC 011512 | Activatable molecular cancer imaging probe |
| Kobayashi, Hisataka | ZIA BC 011513 | Cancer-cell specific therapy: photo-immunotherapy |
| 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, 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 |
| Kohn, Kurt | ZIA BC 006192 | Investigating Regulatory Networks that Control Cell Proliferation and Apoptosis |
| 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 011482 | Evaluation of the Natural History of Patients with Tumors of the Central Nervous |
| Kreisl, Teri | ZIA BC 011484 | Develop novel therapeutics for patients with treatment resistant glioma |
| Kreitman, Robert | ZIA BC 010301 | Development of Recombinant Toxins to Treat Hematologic Malignancies |
| 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 and 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 |

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| 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, Byungkook | ZIA BC 011233 | Structural Bioinformatics |
| Lee, Byungkook | ZIA BC 011238 | Computational Biology |
| Lee, Jung-Min | ZIA BC 011525 | Targeting DNA damage repair and related pathways in HRD-women's cancers |
| 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, Kyung | ZIA BC 011518 | Molecular basis of centriole duplication |
| 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 011505 | Characterization of the hematopoietic stem cell lineage |
| 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 |
| 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, Ilona | 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 |

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| 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 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 011498 | Clinical Trials of Immunotherapies for Childhood Cancer |
| 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 |
| Madan, Ravi | ZIA BC 011521 | Combination Studies in Prostat Cancer |
| 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 | Charaterization of the Expression and Ligands of KIR3DS1 |
| Meier, Jordan | ZIA BC 011488 | Defining and Manipulating Epigenomic Regulators in Endogenous Systems |
| Meltzer, Paul | ZIA BC 010759 | Functional Genomics of Sarcoma |
| 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 |
| Merchant, Melinda | ZIE BC 011516 | Pediatric Oncology Branch Clinical Care and Education |
| Merchant, Melinda | ZID BC 011517 | Pediatric Oncology Branch Behavioral Science Core |
| 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 |

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| 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 |
| Mili, Stavroula | ZIA BC 011501 | Regulation and functional effects of localized RNAs |
| 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 Metabolic Enzymes and Their Regulation |
| 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 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 |
| Mitsuya, Hiroaki | ZIA BC 011486 | Development of Novel Agents Active against Hepatitis B Virus |
| 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 | ZIA BC 011107 | Function and Regulation of Protein Scaffolds and Signal Modulators in 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 |
| Oberdoerffer, Philipp | ZIA BC 011282 | RNAi screen for chromatin modifiers in DNA repair and aging |

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| Oberdoerffer, Philipp | ZIA BC 011283 | Investigating the role of DNA breaks in mammalian aging |
| 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 |
| Oberholtzer, J. | ZIE BC 011384 | Anatomic Pathology Residency Program |
| 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. |
| 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 | The Antigen Targeting Core |
| 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 |
| Pavliakis, George | ZIA BC 010749 | DNA Vaccines |
| Pavliakis, 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 |
| PI Name | Z01 Number | Project Title |
| 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 |
| Polizzotto, Mark | ZIA BC 011500 | Pathogenesis and therapy of KSHV-associated Malignancies |
| 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 |
| Qasba, Pradman | ZIA BC 009304 | Structure-Function Studies and Design of Novel Glycosyltransferases |

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| 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 |
| 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 |
| Reinhold, William | ZIC BC 011509 | Clustering of the drug activities of the NCI-60 cancerous cell lines |
| Reinhold, William | ZIC BC 011475 | Genomics and Systems Pharmacology Core |
| Reinhold, William | ZIC BC 011497 | RNA sequencing (RNA-Seq) of the NCI-60 |
| Reinhold, William | ZIC BC 011499 | comparative genomic hybridization data and web-based tool for the NCI-60 |
| 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 | Colorectal Cancer Transcriptome: Effects of Genomic Instability and Aneuploidy |
| 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 | Wnt Signaling and Secreted Frizzled-Related Proteins |
| Rubin, Jeffrey | ZIA BC 011224 | Casein Kinase 1 Delta in Wnt Signaling and Beyond |

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| Rudloff, Udo | ZIA BC 011267 | Preclinical drug development in pancreatic cancer |
| 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. |
| Ruscetti, Sandra | ZIA BC 005657 | Molecular Basis for the Pathogenesis of Murine Retroviruses |
| 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 |
| Schneider, Joel | ZIA BC 011313 | Design and Utility of Novel Proteinaceous Biomaterials |
| Schneider, Joel | ZIA BC 011314 | Development of antibacterial agents and materials |
| Schneider, Joel | ZIC BC 011515 | Chemical Synthesis Core |
| Schnermann, Martin | ZIA BC 011506 | Synthesis and evaluation of small-molecule imaging agents |
| 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 |
| 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 Human Breast Cancer Susceptibility Gene Variants |
| Sharan, Shyam | ZIA BC 011311 | Identification of genetic interactors of Brca2 |
| Sharrow, Susan | ZIC BC 009255 | Application of Flow Cytometry to Cell Biology |
| Shilling, Jeffrey | ZIH BC 011235 | Support of NCI CCR Clinical Research and Bioinformatics |
| 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, 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 |
| 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 |

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| 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 |
| 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 |
| 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 011441 | Cell density effects on therapeutic sensitivity |
| Stommel, Jayne | ZIA BC 011522 | Discovery of kinase targets in chromosome 10 deleted glioma cells |
| 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 structures of membrane protein assemblies |
| 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 |

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| Tanner, Kandice | ZIA BC 011524 | Mechanical regulation of the microenvironmental niche in skin tumorigenesis |
| 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 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 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 |
| 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 | 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 011530 | Investigate the role of EGFR mutation and amplification in GBM tumorigenesis |
| 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 modeling |

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| 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 011526 | Therapeutic evaluation in GEM pancreatic model |
| 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 |
| Walters, Kylie | ZIA BC 011490 | Ubiquitin signaling |
| 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, 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, 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 010709 | Exploratory Study of Biologic and Pathophysiologic Effects of Radiation Therapy |
| Warren, Katherine | ZIA BC 010800 | Convection enhanced delivery of agents into the brainstem of glioma patients |
| Warren, Katherine | ZIA BC 011018 | Differential Gene Expression and Targeting of Gliomas Using Radiation |
| Warren, Katherine | ZIA BC 011514 | Investigating the biology of pediatric gliomas |
| 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 |
| Warren, Katherine | ZIA BC 011447 | Clinical Development of New Agents for Children with CNS Tumors |
| 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 |
| Weissman, Allan | ZIA BC 009392 | Determining the Fate of Transmembrane Proteins |
| Weissman, Allan | ZIA BC 010292 | Enzymes and Substrates of the Ubiquitin Conjugating System |
| 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 |

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| Widemann, Brigitte | ZIA BC 010801 | Therapy for NF1-Related Tumors and other Genetic Tumor Predisposition Syndromes |
| Wiest, Jonathan | ZIJ BC 011133 | CCR Office of Training and Education |
| Wiest, Jonathan | ZIA BC 010448 | Genetic Alterations in Lung Cancer |
| Wiest, Jonathan | ZIA BC 011108 | MAP Kinase signal transduction disruption in cancer |
| 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 bortezomib/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 Complex Diseases and Health Disparities |
| 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-myc 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, James | ZIA BC 010803 | Characterizing a novel tumor recognition mechanism |
| Yang, James | ZIA BC 011337 | Generation of T-cell receptors recognizing antigens on non-melanoma tumors |
| 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 |
| 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 |

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| 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 |