

**THE NATIONAL INSTITUTES OF HEALTH (NIH)
Radiation Oncology Projects**

	FY 2010 ACTUAL		FY 2011 ACTUAL		FY 2012 YTD*	
IC	# of Projects	Award Amount	# of Projects	Award Amount	# of Projects	Award Amount
NCI	473	\$207,771,256	487	\$238,316,315	130	\$61,778,215
NCRR	29	\$5,865,427	15	\$30,543,717		
NHLBI	5	\$1,848,251	7	\$1,643,095	2	\$376,956
NIAID	3	\$1,085,446	3	\$1,016,175		
NIBIB	5	\$1,699,580	6	\$696,883		
NICHD	2	\$1,078,343	2	\$158,884		
NIDA			1	\$325,205		
NIDCD	1	\$428,419	2	\$793,952	1	\$40,511
NIDCR	6	\$1,545,500	4	\$1,073,142		
NIDDK	1	\$121,936				
NIEHS	1	\$310,326	1	\$236,199	1	\$323,414
NIMH	1	\$41,000	1	\$543,088		
NINDS	9	\$2,900,018	12	\$10,707,277	5	\$4,952,862
NINR	4	\$1,311,553	3	\$4,417,724		
NLM	1	\$453,884				
OD	1	\$2,655,000				
Total	542	\$229,115,939	544	\$290,471,656	139	\$67,471,958

*Year-to-Date includes all grants through the end of March.

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Project Number	Subproject ID	FY	Appl ID	Project Title	IC
1 D43CA153784-01		2010	8009712	Zambian Cervical Cancer Research Capacity Initiative	NCI
1 F31CA150658-01		2010	7913969	MRI for In Vivo Quantification of Yttrium-90 Microsphere Biodistribution	NCI
1 F32CA144210-01A1		2010	8003695	Hyperspectral Microendoscopy to Monitor VEGF During Pancreatic Cancer Therapy	NCI
1 F32CA153839-01		2010	8000697	Glioma Associated Macrophages Facilitate Local Immunosuppression	NCI
1 F32CA154045-01		2010	8004630	Real-time Image Registration for 3-D Ultrasound Guided Partial Breast Irradiation	NCI
1 K08CA151682-01		2010	7961114	Radioimmunotherapy for Multiple Myeloma	NCI
1 K99CA140783-01A1		2010	7893919	Can Optical Spectroscopy Predict Early Treatment Response in Solid Tumors	NCI
1 K99CA153948-01		2010	8009705	Theranostic Nanomedicine for Breast Cancer Prevention and Image-Guided Therapy	NCI
1 R01CA132834-01A1		2010	7886081	Predicting Liver Function After Irradiation	NCI
1 R01CA134563-01A2		2010	7985977	Synergy of radiation and immunotherapy: new approaches	NCI
1 R01CA135089-01A1		2010	7893335	Focal HIFU Ablation of Prostate Cancer Using Advanced Ultrasound Guidance	NCI
1 R01CA135288-01A1		2010	7799641	Impact of Genomics on Disparities in Breast Cancer Radiosensitivity	NCI
1 R01CA136783-01A2		2010	7887672	Prediction Model: Breast Cancer in Women Irradiated for a Pediatric Malignancy	NCI
1 R01CA137207-01A2		2010	7897515	Translation and Evaluation of a Multiparametric Prostate Cancer 3T Exam	NCI
1 R01CA138426-01A1		2010	7886175	Dual kV/MV Imaging for Metal Artifact Reduction	NCI
1 R01CA138636-01A1		2010	7784032	BETR Therapy for Herpesvirus-Associated Tumors	NCI
1 R01CA138720-01A2		2010	7897177	Bone Marrow Transplantation for Hematologic Malignancies using Novel Radioimmunot	NCI
1 R01CA138800-01A1		2010	7888532	Yoga for women with breast cancer undergoing radiotherapy	NCI
1 R01CA138986-01A2		2010	7888739	A Novel Dose Calculation Method for Targeted Radionuclide Therapy	NCI
1 R01CA139043-01A1		2010	7785238	Hypoxia and Radiotherapy: Evaluation and Mitigation in Tumors	NCI
1 R01CA140220-01A1		2010	7784015	Lysophospholipids in Radiation Induced Signal Transduction in Malignant Gliomas	NCI
1 R01CA140245-01A1		2010	7878876	Low Dose Tamoxifen in Hodgkin Lymphoma Survivors for Breast Cancer Risk Reduction	NCI
1 R01CA140341-01A2		2010	7992042	To quantify deformable image registration errors in IGRT	NCI
1 R01CA140413-01A2		2010	7989033	Online Collection of Patient-Specific Information for Daily Prostate Segmentation	NCI

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1 R01CA141047-01A2		2010	7986032	MRI of Iron-labeled Microsphere Biodistribution for Radioembolization Dosimetry	NCI
1 R01CA142642-01A1		2010	7899385	RAD51 inhibitors for chemotherapy and radiation therapy	NCI
1 R01CA142840-01		2010	7767346	Functional Image and Molecular Marker to Individualize Adaptive Radiation Dose Es	NCI
1 R01CA147792-01A1		2010	7979452	Combination therapy to inhibit neuroblastoma growth	NCI
1 R01CA148679-01A1		2010	7992550	Radiation-Induced Heart Disease: Mechanisms and Interventions	NCI
1 R01CA148853-01A1		2010	7992588	STORAGE PHOSPHOR FILM FOR RADIATION THERAPY DOSIMETRY	NCI
1 R01CA148876-01		2010	7862840	Reduced-Order Constrained Optimization for Rapid IMRT and VMAT Treatment Planning	NCI
1 R01CA149025-01A1		2010	8006312	Implementing a Tracking & Feedback Registry to Allay Cancer Therapy Disparities	NCI
1 R01CA149045-01		2010	7860636	Use and Outcomes of Radiation Therapy for Medicare Patients with Common Cancers	NCI
1 R01CA149614-01		2010	7865790	IMMEDIATE VS DELAYED RECONSTRUCTION AND BREAST CANCER SURGERY COMPLICATIONS	NCI
1 R01CA149668-01		2010	7866868	Targeting apoptosis via chemical design of Bcl-2 antagonists	NCI
1 R01CA151395-01		2010	7947065	Intraoperative Dose Visualization using X-Ray and Ultrasound for Prostate Brachyt	NCI
1 R01CA152425-01		2010	7949788	Race, Prostate Cancer Treatment, and Treatment Decision Difficulty and Regret	NCI
1 R01CA154130-01		2010	8010135	Targeting Brain Tumor Stem Cells Through Novel Therapeutic Combinations	NCI
1 R03CA151153-01		2010	7933497	Racial Disparities in Clinical Outcomes and the Therapeutic Use of Radiotherapy f	NCI
1 R13CA144312-01		2010	7800639	2010 Radiation Oncology Gordon Research Conference	NCI
1 R13CA153496-01		2010	8005470	SIOP Boston 2010 Annual Congress	NCI
1 R21CA137362-01A2		2010	7981827	Real-time verification of proton dose delivery	NCI
1 R21CA138988-01A2		2010	7991251	Long-term Treatment Related CNS Injury in Survivors of Childhood Cancer	NCI
1 R21CA140886-01A1		2010	7894063	Enhancing Efficacy of Oncolytic Virotherapy with PDT	NCI
1 R21CA141724-01A1		2010	7790439	Targeting Tumor Hypoxia with Radiohalogenated Inhibitors of Carbonic Anhydrase IX	NCI
1 R21CA143098-01		2010	7770647	In Vivo Optical Imaging of Beta-Emitting Radionuclides using Cerenkov Radiation	NCI
1 R21CA144063-01		2010	7773251	Predicting the lung ventilation change caused by radiation therapy	NCI
1 R21CA144190-01A1		2010	8005463	DCE-MRI for Assessment of Vascular Normalization by Nelfinavir in Lung Cancer	NCI
1 R21CA149978-01		2010	7892887	Fractionated, Dual-targeted radioimmunotherapy for follicular lymphoma	NCI

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1 R21CA150100-01		2010	7875693	Targeting ATDC with PARP inhibitors in pancreatic cancer	NCI
1 R21CA152456-01		2010	7962999	Engineered self-destructing Salmonella as a colorectal cancer cure	NCI
1 R21CA153587-01		2010	8005321	Clinical Evaluation of Real-Time MV/kV Image Guided Prostate Radiation Therapy	NCI
1 R21CA153594-01		2010	8005456	Neoadjuvant photodynamic immunomodulation for colon cancer	NCI
1 R21CA153826-01		2010	8007509	MRI-Guided Radiotherapy and Biomarkers for Prostate Cancer	NCI
1 R25CA140116-01A1		2010	7940068	SUMMER UNDERGRADUATE PROGRAM TO EDUCATE RADIATION SCIENTISTS (SUPERS)	NCI
1 R43CA139644-01A1		2010	7909028	A Novel Therapy for the Treatment of Chest Wall Progression of Breast Cancer	NCI
1 R43CA141742-01A1		2010	7800637	Targeted Radiotherapy of Ovarian Cancer with a Novel, High Payload Radioligand	NCI
1 R43CA141878-01A1		2010	7998689	Ultra-Miniature Dosimeter with Magnetic Localization	NCI
1 R43CA144817-01		2010	7808142	Development of Novel Sensitizer to Improve Response of Hypoxic Tumors to Radiatio	NCI
1 R43CA150320-01A1		2010	7999684	Fabrication and validation of implantable MRI markers for prostate cancer treatme	NCI
1 R43CA150447-01		2010	7910185	Thorax Autosegmentation for Radiotherapy of Lung Cancer	NCI
1 R43CA150855-01		2010	7927657	A Molecular targeting agent for systemic radiotherapy of metastatic Prostate Canc	NCI
1 R43CA153824-01		2010	8005430	Water-Equivalent Plastic Scintillation Detectors for Small-Field Radiotherapy	NCI
1 R44CA144415-01		2010	7803057	MRI Image Guided Radiation Therapy (IGRT) system with low cost, highly stable mag	NCI
1 R44CA150281-01		2010	7907107	A compact dose delivery system for proton radiation therapy	NCI
1 U54CA151652-01	8813	2010	7982955	Carbon Nanotube-based Microbeam Radiation Therapy for Human Brain Cancer	NCI
1 ZIABC010516-08		2010	8157329	[Parent Title: Carolina Center of Cancer Nanotechnology Excellence] Gated Optical DetectorsDose Guided Radiotherapy	NCI
1 ZIABC010603-07		2010	8157362	Receptor-directed Therapy	NCI
1 ZIABC010670-06		2010	8157390	Molecular-Targeted Radiation Therapy	NCI
1 ZIABC010945-03		2010	8157540	Clinical trials employing cancer vaccine combination therapies	NCI
1 ZIABC010946-03		2010	8157541	Protection against Radiation-Induced Carcinogenesis	NCI
1 ZIABC010975-03		2010	8157554	Vaccine and radiation for the therapy of human cancers	NCI
1 ZIABC011213-02		2010	8157705	Application of Gold Nanoparticles to Increase the Efficacy of Radiation Therapy	NCI
1 ZIABC011330-01		2010	8157773	Tumor heterogeneity in breast cancer brain metastasis after brain radiation	NCI
1 ZIABC011333-01		2010	8157774	Neuropsychological outcome measures in patients receiving whole brain radiation	NCI
1 ZIACP010131-15		2010	8157917	Studies of Medical Radiation and Other Therapeutic Agents	NCI
1 ZIASC010098-11		2010	8175417	The Evaluation of Novel Therapeutics for Genitourinary Malignancies	NCI
1 ZIASC010372-10		2010	8175422	Molecular Profiling of Patients Undergoing Radiotherapy	NCI
1 ZIASC010373-10		2010	8175423	The Synergy Between Radiotherapy and Molecularly Targeted Agents	NCI
1 ZICBC010991-03		2010	8158348	Radiation Oncology Branch - Microarray Facility	NCI

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1 ZIDBC010990-03		2010	8158427	Radiation Oncology Branch - Radiation Clinic	NCI
1 ZIDSC006329-30		2010	8177757	Clinical Radiation Physics Service	NCI
1R01CA138519-01A1		2010	7778520	Microenvironmental regulation of glioblastoma radiosensitivity	NCI
1R01CA138527-01A1		2010	7783506	GOLD NANOCAGES AS A NEW CLASS OF THERAPEUTIC AGENTS FOR PHOTOTHERMAL CANCER TREAT	NCI
1R01CA140409-01A1		2010	7787394	Development of Small Molecule Radiation Sensitizers	NCI
1R01CA140554-01A1		2010	7884722	Multimodality approach to hepatic colorectal metastases	NCI
1R01CA140582-01A2		2010	7986480	Therapeutic targeting of stratifin structure and function	NCI
1R01CA141703-01A2		2010	7992871	OSU-03012 therapy for glioblastoma	NCI
1R01CA152601-01		2010	7978474	Loss of mtSIRT3, Decreased MnSOD Activity, and IR Induced Genomic Instability	NCI
1R13CA153308-01		2010	7991910	Radiation Chemistry 2010 Gordon Research Conference	NCI
2 P01CA049062-19	5441	2010	7992111	ROLE OF RAD9 IN BYSTANDER EFFECTS [Parent Title: Radiation Bystander Effects: Mechanisms]	NCI
2 P30CA014236-36	6431	2010	8180914	Immunoincompetent Rodent and Biohazard Facility [Parent Title: Duke Comp Cancer Inst. Core Support Grant]	NCI
2 P30CA014236-36	6433	2010	8180917	Radiochemistry [Parent Title: Duke Comp Cancer Inst. Core Support Grant]	NCI
2 P30CA014236-36	6408	2010	8180882	Neuro-Oncology [Parent Title: Duke Comp Cancer Inst. Core Support Grant]	NCI
2 P30CA014236-36	6407	2010	8180881	Radiation Oncology [Parent Title: Duke Comp Cancer Inst. Core Support Grant]	NCI
2 P30CA124435-04	6471	2010	8180970	Radiation Biology [Parent Title: Stanford University Cancer Center]	NCI
2 R01CA023378-29		2010	7991699	Modes of cell death initiated by photodynamic therapy	NCI
2 R01CA028332-30		2010	7886316	In situ anti-tumor immunity and effects of radiation	NCI
2 R01CA042324-24		2010	7888486	Astatine And Iodine Radiolabeled Monoclonal Antibodies	NCI
2 R01CA101830-05A1		2010	7783414	Foundations of Pretargeted Radioimmunotherapy	NCI
2 R01CA102139-06A1		2010	7782459	Genetically Engineered Viruses for Prostate Cancer Therapy	NCI
2 R01CA116708-06		2010	7982701	Cath B and uPAR si RNA constructs regressed glioma growth	NCI
2 R44CA112852-03		2010	7805551	Ultrasound Ablation on Bone Cancer Under CT Fluoroscopy	NCI
2 R44CA119565-05		2010	8038217	Expression-Based Multi-Gene Signatures for CRC Recurrence and Chemoselection	NCI
2 R44CA138006-02		2010	8058907	TUMOR RADIOSENSITIZATION USING A NITRIC-OXIDE-NEUTRAL, TUNABLE OXYGEN-BINDING PRO	NCI

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2 R44CA138010-02		2010	7803899	Power Source Development for Compact Proton Accelerators	NCI
2 T32CA113267-06		2010	7942521	Training Program in Translational Radiation Oncology	NCI
2 U10CA014548-36		2010	7815487	Eastern Cooperative Oncology Group Studies	NCI
2 U10CA015488-38		2010	7868710	EASTERN COOPERATIVE ONCOLOGY GROUP	NCI
2 U10CA020319-34		2010	7766872	Southwest Oncology Group	NCI
2 U10CA037422-23		2010	7895955	Community Clinical Oncology Program	NCI
2 U10CA037447-26		2010	7892649	Cancer and Leukemia Group B CCOP Research Base	NCI
2 U10CA049883-22		2010	7868729	Eastern Cooperative Oncology Group	NCI
2 U10CA049957-22		2010	7868751	Eastern Cooperative Oncology Group	NCI
2 U10CA105409-07		2010	7767468	U10 Full Member Application Affiliated with SWOG	NCI
261200800001E-26-0-9		2010	8008855	DCTD Radiation Modifiers	NCI
261201000081C-0-0-1		2010	8164370	TAS::75 0849::TAS	NCI
261201000102C-0-0-1		2010	8164613	TAS::75 0849::TAS TARGETED TWO-PHOTON PHOTODYNAMIC THERAPY TRIADS	NCI
2R01CA047407-22		2010	7987760	Transmembrane Signal Modulation by Hyperthermia	NCI
2R01CA083081-10A2		2010	7991748	Mechanisms of Cytotoxicity and Radiosensitization for Antimetabolites	NCI
2R01CA113431-05A1		2010	7883139	Development of At-211-Labeled Reagents for Therapy of Metastatic Prostate Cancer	NCI
3 P01CA030206-28S1		2010	8112111	Hematopoietic Cell Transplantation for Hematologic Malignancies	NCI
3 P01CA030206-28S2		2010	8112778	Hematopoietic Cell Transplantation for Hematologic Malignancies	NCI
3 P01CA043904-19S1	9010	2010	8178408	ANIMAL CORE: PHARMACOKINETICS, IMAGING AND THERAPY	NCI
3 P01CA043904-19S1	9008	2010	8178406	[Parent Title: Antibody Targeted Radiation and Immunotherapy for the Treatment of Solid Tumors] CLINICAL IMAGING AND RADIATION DOSIMETRY	NCI
				[Parent Title: Antibody Targeted Radiation and Immunotherapy for the Treatment of Solid Tumors]	

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3 P01CA043904-19S1	9009	2010	8178407	CLINICAL PRODUCTION	NCI
				[Parent Title: Antibody Targeted Radiation and Immunotherapy for the Treatment of Solid Tumors]	
3 P01CA043904-19S1	9001	2010	8178404	RADIOPHARMACY AND ASSAYS	NCI
				[Parent Title: Antibody Targeted Radiation and Immunotherapy for the Treatment of Solid Tumors]	
3 P01CA043904-19S1	0005	2010	8178401	RADIOIMMUNOTHERAPY: CLINICAL STUDIES	NCI
				[Parent Title: Antibody Targeted Radiation and Immunotherapy for the Treatment of Solid Tumors]	
3 P01CA043904-19S1		2010	8142302	Antibody Targeted Radiation and Immunotherapy for the Treatment of Solid Tumors	NCI
				[Parent Title: Antibody Targeted Radiation and Immunotherapy for the Treatment of Solid Tumors]	
3 P01CA043904-19S1	0006	2010	8178402	PRETARGETING WITH ANTI-CEA MABS FOR THERAPY	NCI
				[Parent Title: Antibody Targeted Radiation and Immunotherapy for the Treatment of Solid Tumors]	
3 P01CA044991-22S1		2010	8081922	Therapy of Lymphoma/Leukemia with Monoclonal Antibodies	NCI
				[Parent Title: Antibody Targeted Radiation and Immunotherapy for the Treatment of Solid Tumors]	
3 P30CA013148-38S9	9041	2010	8178474	RADIOLABELING/DOSIMETRY	NCI
				[Parent Title: Comprehensive Cancer Center Core Support Grant]	
3 P30CA013330-38S1	9028	2010	8178097	PROTOCOL REVIEW AND MONITORING SYSTEM	NCI
				[Parent Title: Core Support for Cancer Center]	
3 P30CA013330-38S2		2010	8141626	Core Support for Cancer Center	NCI
3 P30CA014599-35S5	0016	2010	8178044	PROGRAM 4 (CLINICAL AND EXPERIMENTAL THERAPEUTICS)	NCI
				[Parent Title: Cancer Center Support Grant - Core Consolidation Supplement]	
3 P30CA022453-28S5	0002	2010	8178148	Developmental Therapeutics	NCI
				[Parent Title: Cancer Center Support Grant - Core Consolidation Supplement]	
3 R01CA112593-07S1		2010	8147959	PPARs and Radiation-induced Brain Injury	NCI
3 R01CA118365-04S1		2010	8005632	Treatment Planning using Physiologic MRI Data	NCI
3 R01CA118399-05S1		2010	8140866	Functional Polymer Matrixes for Site-Specific, Image Guided Drug Delivery	NCI
3 R01CA122023-04S1		2010	8131286	Cancer therapy-induced long-term bone marrow injury	NCI
3 R01CA127369-03S1		2010	8053603	Multifunctional Photosensitizers for Image-guided PDT of Brain Tumors	NCI
3 R01CA131348-03S1		2010	8121132	Prognosis and Effectiveness of Advanced Lung Cancer Treatment in the Elderly	NCI
3 R01CA135288-01A1S1		2010	8144048	Impact of Genomics on Disparities in Breast Cancer Radiosensitivity	NCI
3 U01CA141549-02S1		2010	8135936	Targeting Stoma-Tumor Co-Dependency for Glioma Therapy	NCI
3 U10CA021661-34S1		2010	8066817	Radiation Therapy Oncology Group	NCI
3 U10CA021661-34S2		2010	8140886	Radiation Therapy Oncology Group	NCI
3 U10CA025224-31S1		2010	8066077	North Central Cancer Treatment Group	NCI

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3 U10CA031946-29S1		2010	8066151	Cancer and Leukemia Group B	NCI
3 U10CA031946-29S3		2010	8132016	Cancer and Leukemia Group B	NCI
3 U10CA037422-22S2		2010	8054593	Community Clinical Oncology Program Research Base	NCI
3 U10CA037422-22S3		2010	8074136	Community Clinical Oncology Program Research Base	NCI
3 U10CA037447-25S2		2010	8140729	Cancer and Leukemia Group B	NCI
3 U19CA121503-04S1		2010	8071355	International Center of TCM for Cancer	NCI
4 R44CA141936-02		2010	8079156	Early Clinical Testing for Melanin Targeting Radio-therapeutic agent in melanoma	NCI
5 F31CA130165-04		2010	7893261	A 3D Canine Phantom for Applications in Skeletal Molecular Radiotherapy	NCI
5 F31CA134200-03		2010	7923259	Bone-Specific Assessment of Marrow Cellularity by H-NMR Spectroscopy	NCI
5 F32CA138153-02		2010	7800294	Multimodality Microendoscope for Metastatic Ovarian Cancer Detection & Treatment	NCI
5 K01CA109567-05		2010	7851304	New Strategies for Photoimmunodetection/therapy	NCI
5 K01CA114313-05		2010	7904955	Ultrasonic Tissue-Typing-Guided Prostate Brachytherapy	NCI
5 K07CA118269-05		2010	7858497	Decision-making regarding radiation therapy in breast cancer"	NCI
5 K07CA120025-04		2010	7808020	Aerobic and Resistance Exercise for Cancer-Related Fatigue During Radiation	NCI
5 K07CA131473-03		2010	7897897	Skin Toxicity Effects in Breast Radiation: A Cognitive Behavioral Intervention	NCI
5 K07CA133187-02		2010	7883592	Optimizing Treatment of Rectal Cancer Using a Markov Decision Model	NCI
5 K08CA120875-05		2010	7893103	Treatment of Osteoradionecrosis with Bone Marrow Stromal Cells	NCI
5 K08CA124484-04		2010	7914211	Defining the Genetic Basis of the Radioresponse Using a C. elegans Tissue Model	NCI
5 K12CA001727-17		2010	7935251	City of Hope Clinical Oncology Career Research Development Program	NCI

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5 K12CA087723-09		2010	7918987	Clinical Research Career Development Program	NCI
5 K12CA090354-10		2010	7935291	Training Program in Nervous System Tumors	NCI
5 K12CA090625-10		2010	7905000	Vanderbilt Clinical Oncology Research Career Development Program	NCI
5 K12CA120780-04		2010	7922032	UNC Oncology Clinical Translational Research Training Program	NCI
5 K23CA118431-05		2010	7901409	Radiation-induced signaling and treatment resistance	NCI
5 K23CA133196-03		2010	7874526	Homeostatic proliferation and regulatory T cell depletion as cancer immunotherapy	NCI
5 K23CA141052-02		2010	7937093	Effects of Antioxidant Supplementation during Breast Cancer Adjuvant Therapy	NCI
5 K25CA111636-07		2010	7922133	Clinico-Genomics for Improved Ovarian Cancer Treatment	NCI
5 K25CA114254-05		2010	7821347	Prostate Cancer Management with Multimodality Imaging	NCI
5 K25CA116291-05		2010	7864359	MRTI Guided Integrative Model for Cancer Treatment	NCI
5 K25CA123112-04		2010	7866590	Accurate Target Delineation and Motion Tracking to Improve IMRT Effectiveness	NCI
5 K25CA128809-03		2010	7787116	Predicting Radiotherapy Outcomes by Combining Physical and Biological Factors	NCI
5 P01CA017094-31	9006	2010	8136328	CLINICAL TRIALS CORE [Parent Title: Therapeutic Targeting of Hypoxic and Oxidative Stress]	NCI
5 P01CA021239-31	9002	2010	8142780	Statistics, Data Exchange, Management and Support [Parent Title: PROTON RADIATION THERAPY RESEARCH]	NCI
5 P01CA021239-31	0010	2010	8142778	Achieving "What-You-See-is-What-You-Get" In Proton Therapy [Parent Title: PROTON RADIATION THERAPY RESEARCH]	NCI
5 P01CA021239-31	0009	2010	8142777	Reducing Range Uncertainties in Proton Radiation Therapy [Parent Title: PROTON RADIATION THERAPY RESEARCH]	NCI
5 P01CA021239-31	0008	2010	8142776	Improving the Therapeutic Ratio of Proton Radiation Therapy [Parent Title: PROTON RADIATION THERAPY RESEARCH]	NCI
5 P01CA030206-28	0020	2010	8111817	Radioimmunotherapy Based Transplant Regimens for Treatment of B-Cell Lymphoma and [Parent Title: Hematopoietic Cell Transplantation for Hematologic Malignancies]	NCI

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5 P01CA034233-26	0032	2010	8063461	In Situ Vaccination for Lymphoma by Intratumoral Injection of Immunostimulatory [Parent Title: Clinical and Laboratory Studies of Malignant Lymphomas]	NCI
5 P01CA034936-23	9003	2010	8066797	Patient Data and Sample Collection and Distribution and Pathology Review Facility [Parent Title: A Mutational Model for Childhood Cancer]	NCI
5 P01CA043904-19	9009	2010	8129481	CLINICAL PRODUCTION [Parent Title: Antibody Targeted Radiation and Immunotherapy for the Treatment of Solid Tumors]	NCI
5 P01CA043904-19	9010	2010	8129482	ANIMAL CORE: PHARMACOKINETICS, IMAGING AND THERAPY [Parent Title: Antibody Targeted Radiation and Immunotherapy for the Treatment of Solid Tumors]	NCI
5 P01CA043904-19	9008	2010	8129480	CLINICAL IMAGING AND RADIATION DOSIMETRY [Parent Title: Antibody Targeted Radiation and Immunotherapy for the Treatment of Solid Tumors]	NCI
5 P01CA043904-19	0006	2010	8129476	PRETARGETING WITH ANTI-CEA MABS FOR THERAPY [Parent Title: Antibody Targeted Radiation and Immunotherapy for the Treatment of Solid Tumors]	NCI
5 P01CA043904-19	0005	2010	8129475	RADIOIMMUNOTHERAPY: CLINICAL STUDIES [Parent Title: Antibody Targeted Radiation and Immunotherapy for the Treatment of Solid Tumors]	NCI
5 P01CA043904-19	9001	2010	8129478	RADIOPHARMACY AND ASSAYS [Parent Title: Antibody Targeted Radiation and Immunotherapy for the Treatment of Solid Tumors]	NCI
5 P01CA047741-17	8059	2010	8182366	Administrative Core [Parent Title: Novel Approaches to Stem Cell Transplantation]	NCI
5 P01CA049605-22	0002	2010	8085854	Autografting for Lymphoma [Parent Title: Bone Marrow Grafting for Leukemia and Lymphoma]	NCI
5 P01CA049605-22	0010	2010	8085855	Non-Myeloablative Host Conditioning that Protects Against GVHD [Parent Title: Bone Marrow Grafting for Leukemia and Lymphoma]	NCI
5 P01CA049605-22	0001	2010	8085853	Allografting for Lukemia [Parent Title: Bone Marrow Grafting for Leukemia and Lymphoma]	NCI
5 P01CA055791-17	7870	2010	8034280	Administrative	NCI
5 P01CA055791-17	7868	2010	8034278	[Parent Title: PDT - Mechanisms and Strategies for Optimization] Optics	NCI
5 P01CA055791-17	7863	2010	8034273	[Parent Title: PDT - Mechanisms and Strategies for Optimization] Molecular Pathways for Optimizing PDT [Parent Title: PDT - Mechanisms and Strategies for Optimization]	NCI
5 P01CA055791-17	7866	2010	8034276	PDT of Head and Neck Cancer	NCI
5 P01CA055791-17	7862	2010	8034272	[Parent Title: PDT - Mechanisms and Strategies for Optimization] Development of Agents for Optimization of Photodynamic Therapy and Tumor Imaging NCI [Parent Title: PDT - Mechanisms and Strategies for Optimization]	NCI

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5 P01CA059827-15	9007	2010	8102833	ADMINISTRATION AND STATISTICS	NCI
5 P01CA059827-15	0009	2010	8102829	[Parent Title: Optimization of High Dose Conformal Therapy] INDIVIDUALIZED DOSE ESCALATION IN VOLUME-EFFECT ORGANS	NCI
5 P01CA059827-15	0008	2010	8102828	[Parent Title: Optimization of High Dose Conformal Therapy] INDIVIDUALIZING IMRT TREATMENT IN BRAIN AND HEAD/NECK CA	NCI
5 P01CA059827-15	0007	2010	8102827	[Parent Title: Optimization of High Dose Conformal Therapy] TREATMENT INDIVIDUALIZATION AMID GEOMETRIC UNCERTAINTY	NCI
5 P01CA059827-15	0006	2010	8102826	[Parent Title: Optimization of High Dose Conformal Therapy] COMPREHENSIVE ADAPTIVE PLAN OPTIMIZATION	NCI
5 P01CA067166-14	0013	2010	8041070	[Parent Title: Optimization of High Dose Conformal Therapy] Osteopontin & Tumor Progression in Head and Neck Cancers	NCI
5 P01CA067166-14	0011	2010	8041068	[Parent Title: Tumor Hypoxia: Molecular Studies & Clinical Exploitation] Mechanistic and Translational Studies of PR-104:A New Hypoxia Activated Cytotoxin	NCI
5 P01CA071933-12	8853	2010	8080212	[Parent Title: Tumor Hypoxia: Molecular Studies & Clinical Exploitation] Radiation Enhancement of HSV Anti-Tumor Effects	NCI
5 P01CA078902-12	8824	2010	8067931	[Parent Title: Engineered HSV For Treatment of Malignant Glioma] Allogeneic HCT for Hematologic Malignancies: Immune Manipulations	NCI
5 P01CA078902-12	8822	2010	8067929	[Parent Title: Mixed Hematopoietic Chimerism After Stem Cell Allografts] Establishing Mixed Hematopoietic Chimerism in a Canine Model	NCI
5 P01CA080124-10	0005	2010	8065966	[Parent Title: Mixed Hematopoietic Chimerism After Stem Cell Allografts] Vascular Normalization: Role of Perivascular Cells	NCI
5 P01CA084203-07	7851	2010	8103133	[Parent Title: Integrative Pathophysiology of Solid Tumors] Mechanism-Based Design of Combination Therapies for Pancreatic Cancer	NCI
5 P01CA084203-07	7850	2010	8103132	[Parent Title: Molecular Response and Imaging-based Combination Strategies for Optimal PDT] Clinical Photodynamic Therapy for Pancreatic and Biliary Tract Cancer	NCI
5 P01CA084203-07	7847	2010	8103131	[Parent Title: Molecular Response and Imaging-based Combination Strategies for Optimal PDT] Small Molecule Enhancers of Photodynamic Therapy for Skin Cancer	NCI
5 P01CA085878-08	0004	2010	8104195	[Parent Title: Molecular Response and Imaging-based Combination Strategies for Optimal PDT] Quantitation of Human Brain Tumor Therapy Response by MR	NCI
5 P01CA087971-08	9003	2010	8056473	[Parent Title: Brain Tumor Therapeutic Efficacy of Quantitative MR] Biostatistics and Data Coordinating Core (BDCC)	NCI
5 P01CA087971-08	0006	2010	8056468	[Parent Title: Photodynamic therapy for neoplastic diseases involving serosal surfaces] Microenvironmental Effects of PDT Combined with Targeted Molecular Therapy	NCI
5 P01CA087971-08	0007	2010	8056469	[Parent Title: Photodynamic therapy for neoplastic diseases involving serosal surfaces] Real-Time Optical Diagnostics of Tissue for PDT Dosimetry and Treatment Character	NCI

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5 P01CA087971-08	0005	2010	8056467	Enhancing Direct Tumor Cell Cytotoxicity By Manipulating Growth Factor Signaling [Parent Title: Photodynamic therapy for neoplastic diseases involving serosal surfaces]	NCI
5 P01CA087971-08	0001	2010	8056466	Optimization of Intraperitoneal PDT [Parent Title: Photodynamic therapy for neoplastic diseases involving serosal surfaces]	NCI
5 P01CA116602-04	9001	2010	8074387	Software Engineering, Treatment Planning, and QA [Parent Title: Image-Guided Adaptive Radiotherapy]	NCI
5 P01CA116602-04	9002	2010	8074388	Biostatistics, Outcomes Modeling, Clinical Design, and Administration [Parent Title: Image-Guided Adaptive Radiotherapy]	NCI
5 P01CA116602-04	0002	2010	8074384	Dose Uncertainty Management and Probabilistic Planning [Parent Title: Image-Guided Adaptive Radiotherapy]	NCI
5 P01CA116602-04	0004	2010	8074386	Four-dimensional Adaptive Thoracic Radiotherapy [Parent Title: Image-Guided Adaptive Radiotherapy]	NCI
5 P01CA116602-04	0001	2010	8074383	Deformable Image Registration and Reconstruction [Parent Title: Image-Guided Adaptive Radiotherapy]	NCI
5 P01CA116602-04	0003	2010	8074385	Image-guided IMRT and Brachytherapy for Pelvic Tumors [Parent Title: Image-Guided Adaptive Radiotherapy]	NCI
5 P01CA118816-04	0001	2010	8113222	Imaging and Tissue Biomarkers for Improved Management of Patients with Newly Diag [Parent Title: Imaging and Tissue Biomarkers in the Treatment of Brain Tumors]	NCI
5 P30CA006973-48	9017	2010	8117665	EXPERIMENTAL IRRADIATOR [Parent Title: Regional Oncology Research Center]	NCI
5 P30CA013330-38	9028	2010	8113371	PROTOCOL REVIEW AND MONITORING SYSTEM [Parent Title: Core Support for Cancer Center]	NCI
5 P30CA013696-37	9043	2010	8114085	RADIATION RESEARCH RESOURCE [Parent Title: Cancer Center Support Grant]	NCI
5 P30CA014599-35	0016	2010	8105355	PROGRAM 4 (CLINICAL AND EXPERIMENTAL THERAPEUTICS) [Parent Title: Cancer Center Support Grant]	NCI
5 P30CA016056-34	9006	2010	8078038	Protocol-Specific Research Support [Parent Title: Roswell Park Cancer Institute Center Support Grant]	NCI
5 P30CA016059-30	9029	2010	8097561	Protocol-Specific Research Support [Parent Title: Massey Cancer Center Core Support]	NCI
5 P30CA016359-32	9005	2010	8132529	Shared Resources-Cesium 137 Irradiator [Parent Title: YALE COMPREHENSIVE CANCER CENTER]	NCI
5 P30CA016359-32	0008	2010	8132523	Research Programs-Radiobiology and Radiotherapy [Parent Title: YALE COMPREHENSIVE CANCER CENTER]	NCI
5 P30CA033572-27	9033	2010	8182273	Clinical Protocol Management [Parent Title: Cancer Center Support Grant]	NCI
5 P30CA046592-23	9027	2010	8147788	EXPERIMENTAL IRRADIATION [Parent Title: University of Michigan Comprehensive Cancer Center Support Grant]	NCI

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5 P30CA046934-23	9024	2010	8069536	INFORMATICS CORE	NCI
5 P30CA056036-11	9035	2010	8084111	[Parent Title: Cancer Center Support Grant] Protocol Specific Research Support (PSRS)	NCI
5 P30CA147933-02		2010	7939668	[Parent Title: Translational Research in Cancer] Cancer Stem Cells and Radiotherapy: New Approaches to Radiosensitization	NCI
5 P50CA058236-16	0023	2010	8116707	Blockade of the Immune Checkpoint Mediated by B7-H1 in Men with Prostate Cancer [Parent Title: SPORE In Protate Cancer]	NCI
5 P50CA062924-17	0018	2010	8096770	Career Development Program	NCI
5 P50CA062924-17	0015	2010	8096767	[Parent Title: SPORE in Gastrointestinal Cancer] Optimizing and Monitoring C.novyi Therapy of Metastatic Colorectal Cancer [Parent Title: SPORE in Gastrointestinal Cancer]	NCI
5 P50CA070907-13	0010	2010	8118985	P-2: Risk Prediction of platinum-based chemotherapy and Radiotherapy Outcome [Parent Title: University of Texas SPORE in Lung Cancer]	NCI
5 P50CA090386-07	5085	2010	8055506	P-3: Radiation Inducible TNF-a Therapy for Prostate Cancer	NCI
5 P50CA091956-10	9007	2010	8128734	[Parent Title: SPORE in Prostate Cancer] Clinical Core	NCI
5 P50CA091956-10	0009	2010	8128727	[Parent Title: SPORE in Prostate Cancer] Gene Therapy of Prostate Cancer Using Radioactive Iodine	NCI
5 P50CA091956-10	0007	2010	8128725	[Parent Title: SPORE in Prostate Cancer] Utility of serum and Tissue Biomarkers for Predicting Response to Androgen Depriv [Parent Title: SPORE in Prostate Cancer]	NCI
5 P50CA091956-10	0008	2010	8128726	Prostate Imaging by Vibro-Acoustography	NCI
5 P50CA097007-08	0010	2010	8119673	[Parent Title: SPORE in Prostate Cancer] Career Development Program	NCI
5 P50CA097007-08	0008	2010	8119671	[Parent Title: M D Anderson Cancer Center Head & Neck SPORE] Targeting EGFR and IGF Axis for Therapy of Head and Neck Squamous Cell Carcinoma	NCI
5 P50CA097007-08	0007	2010	8119670	[Parent Title: M D Anderson Cancer Center Head & Neck SPORE] Predictors of Resistance Dual VEGFR/EGFR Targeted Therapy of Head and Neck Cancer	NCI
5 P50CA097186-09	0002	2010	8130547	[Parent Title: M D Anderson Cancer Center Head & Neck SPORE] P-2: The Effect of Rad on Androgen Receptor Expression and Activity in Prostate [Parent Title: The Pacific Northwest Prostate Cancer SPORE]	NCI
5 P50CA097248-08	0006	2010	8142064	Metronomic Small Molecule Inhibitor of Bcl2 in Head and Neck Cancer Therapy [Parent Title: The Molecular Basis of Head and Neck Cancer Biology, Treatment and Prevention]	NCI
5 P50CA128301-03	0001	2010	8135466	Anti-[18 F] FACBC PET-CT for Characterization of Primary Prostate Carcinoma [Parent Title: Emory Molecular and Translational Imaging Center]	NCI
5 R01CA015523-36		2010	7804495	Therapeutic/Toxic Effects of Electron Emitting Nuclides	NCI
5 R01CA025836-31		2010	7846132	Radiopharmaceuticals for Breast Tumor Imaging and Therapy	NCI
5 R01CA031230-26		2010	7753180	Photodynamic Therapy Affects on the Tumor Microenvironment	NCI

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5 R01CA044114-20		2010	7849064	Physiological Factors in Hyperthermia	NCI
5 R01CA051578-18		2010	7792278	A POLYMERIC DRUG DELIVERY SYSTEM FOR CANCER THERAPY	NCI
5 R01CA064475-15		2010	7787454	RECEPTOR-TARGETED COPPER RADIOPHARMACEUTICALS FOR CANCER IMAGING AND THERAPY	NCI
5 R01CA064585-15		2010	7841800	Radiation activation of the ATM protein	NCI
5 R01CA068409-16		2010	7835798	Photophysics of Photodynamic Therapy	NCI
5 R01CA068682-20		2010	7826568	Biomedical Applications of Expanded Porphyrins	NCI
5 R01CA069579-13		2010	7893151	Radiation-Induced Cardiopulmonary Injury in Humans	NCI
5 R01CA070823-12		2010	7770902	Iron, NO, and Lipid Peroxides in Photodynamic Therapy	NCI
5 R01CA076287-12		2010	7737363	Pretargeted Radioimmunotherapy of CD20+ Lymphomas	NCI
5 R01CA077475-10		2010	7894949	Sphingolipids in Cell Death after Photodamage	NCI
5 R01CA078554-11		2010	7891200	Gemcitabine-Radiation for Advanced Pancreatic Cancer	NCI
5 R01CA082478-10		2010	7763171	Program for Development of BNCT Agents	NCI
5 R01CA083876-10		2010	7906885	Gene Therapy Reduction of Radiotherapy Esophagitis	NCI
5 R01CA084354-09		2010	7780371	Genetic Determinants of Lung Cancer Survival	NCI
5 R01CA084408-10		2010	7766203	Enhancing Radiation Therapy: Vascular Targeting Agents	NCI
5 R01CA085831-08		2010	7760148	Effects of Photodynamic Therapy on Tumor Oxygenation and Blood Flow	NCI
5 R01CA089655-08		2010	7753201	Combining Anti-Angiogenesis Strategies and Radiotherapy	NCI
5 R01CA089656-09		2010	7867872	Enhancement of PDT Using Biological Response Modifiers	NCI
5 R01CA093375-09		2010	7792235	Radiopharmaceuticals based on Cross-bridged Ligands	NCI
5 R01CA093626-07		2010	7752825	4D IMRT: Stereotactic body radiotherapy for lung cancer	NCI
5 R01CA093638-09		2010	7851363	Regulation of VEGF/HIF-1 by AKT: Implications for Radiotherapy	NCI
5 R01CA094994-08		2010	7754656	Improved Tumor Radiotherapy by MORF Pretargeting	NCI
5 R01CA096679-08		2010	7790697	LUNG TRAJECTORY MAPPING FOR RADIATION THERAPY	NCI
5 R01CA096915-08		2010	7812092	Nitric Oxide in Tumor Angiogenesis, Microcirculation and Radiation Therapy	NCI
5 R01CA097048-07		2010	7860519	Biomarkers in Phototherapy of Barrett's Esophagus	NCI
5 R01CA098156-07		2010	7742976	PHOTODYNAMIC THERAPY (PDT) AND TUMOR IMMUNITY	NCI
5 R01CA098902-05		2010	7894914	TUMOR-TARGETING WITH NEW BORONATED PORPHYRINS	NCI
5 R01CA100688-07		2010	7884271	The Role of Signaling Pathways in Brain Tumors in Mice	NCI
5 R01CA100835-07		2010	7758692	Accurate, High Resolution 3D Dosimetry	NCI
5 R01CA102792-08		2010	7799906	Use of Beta-lapachone for Lung Cancer Chemotherapy	NCI

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5 R01CA103904-07		2010	7917353	Multi-Criteria IMRT Optimization	NCI
5 R01CA109234-05		2010	7749957	Quantitative SPECT for Targeted Radionuclide Therapy	NCI
5 R01CA109663-06		2010	7783781	CD45 Pretargeted Radioimmunotherapy for AML	NCI
5 R01CA111288-05		2010	7858077	Enabling Technologies for MRI-Guided Prostate Interventions	NCI
5 R01CA112182-06		2010	7878775	Neurobehavioral Late-Effects in Pediatric Brain Tumors	NCI
5 R01CA112530-05		2010	7937785	Metabolic Syndrome Following Transplant for Leukemia	NCI
5 R01CA112593-07		2010	7883392	PPARs and Radiation-induced Brain Injury	NCI
5 R01CA113564-05		2010	7756584	Inhibition of Fas-apoptosis in Gastric Cancer	NCI
5 R01CA113851-04		2010	7760656	Local Radiation as an Adjuvant for Immunotherapy	NCI
5 R01CA115745-05		2010	7916808	Blood Flow MRI for Monitoring Glioma Angiogenesis	NCI
5 R01CA115767-05		2010	7772318	Role of BMDCs in Solid Tumor Growth and Relapse	NCI
5 R01CA116477-05		2010	7790587	Dose-Response in Radionuclide Therapy	NCI
5 R01CA116712-04		2010	7816756	Positron Emission Tomography for Radiation Therapy	NCI
5 R01CA116725-04		2010	7753901	Radiation and hyperthermia increases B-lapachone (B-lap) cytotoxicity	NCI
5 R01CA117997-04		2010	7844997	Four-dimensional IMAT planning using graph algorithms	NCI
5 R01CA118200-04		2010	7848182	Management of Breathing effects in Radiotherapy Planning	NCI
5 R01CA118202-05		2010	7842477	Experimental Radiotherapy and Chemotherapy With a Potent New Hypoxic Cytotoxin	NCI
5 R01CA118365-04		2010	7752569	Treatment Planning using Physiologic MRI Data	NCI
5 R01CA118399-05		2010	7904904	Functional Polymer Matrixes for Site-Specific, Image Guided Drug Delivery	NCI
5 R01CA118940-05		2010	7737362	Astatine-211 Conditioning for Nonmyeloablative Hematopoietic Stem Cell Allografts	NCI
5 R01CA119053-04		2010	7906713	Radiolabeled RGD Peptides for Breast Cancer Imaging and Therapy	NCI
5 R01CA119066-05		2010	7761284	Genetic Modifiers of the Anti-apoptotic Functions of Bcl-2	NCI
5 R01CA119079-04		2010	7897661	Mechanisms of Cell Death after Photodynamic Therapy	NCI
5 R01CA119202-03		2010	7802117	Disparity in Quality of Breast Cancer Treatment and Effects on Outcomes	NCI

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5 R01CA119990-05		2010	7822916	Neural Predictors and RAS Modulation of Radiation-induced Cognitive Impairment	NCI
5 R01CA120413-03		2010	7767680	Mechanisms of radiosensitization by 2-methoxyestradiol in prostate cancer models	NCI
5 R01CA120540-04		2010	7825477	Optimized Cone-Beam CT for Image-Guided Radiation Therapy	NCI
5 R01CA120919-05		2010	7925726	Oxygen Guided Hypofractionated Radiotherapy for Gliomas	NCI
5 R01CA120950-04		2010	7845618	Efficacy of Electrical Stimulation for Dysphagia in Head & Neck Cancer Patients	NCI
5 R01CA122093-05		2010	7844929	Optical Dosimetry for Clinical Trials of Pc 4 Photodynamic Therapy	NCI
5 R01CA122318-05		2010	7886710	The Renin-Angiotensin System, Inflammation and Radiation-induced Brain Injury	NCI
5 R01CA122568-04		2010	7800279	Ligand-Directed Tumor Targeting in Preclinical Models	NCI
5 R01CA123299-05		2010	7901643	Deformable image registration and reconstruction for radiotherapy applications	NCI
5 R01CA123490-03		2010	7738950	MDM2 regulates XIAP gene expression in cancer treatment	NCI
5 R01CA124635-03		2010	7911884	High Throughput Screens of Novel Radiation Sensitizers and Protectors	NCI
5 R01CA124714-03		2010	7771627	Dynamic multi-organ anatomical models for hypofractionated RT design and delivery	NCI
5 R01CA124891-03		2010	7758385	Manipulating b1 integrin to enhance radiation therapy for breast cancer	NCI
5 R01CA125021-04		2010	7841852	Role of Hypoxia in the regulation of cancer cell differentiation	NCI
5 R01CA125187-04		2010	7906828	Optimization of Bone Regeneration in the Irradiated Mandible	NCI
5 R01CA125747-08		2010	7864106	Androgenic Inactivation of FOXO1 in Prostate Cancer	NCI
5 R01CA125842-04		2010	7841756	Radiosensitization via Targeting Cell Death	NCI
5 R01CA126993-03		2010	7802162	Respiratory Motion-Reduced Cone-Beam CT Guidance of Radiotherapy in Lung & Liver	NCI
5 R01CA127369-03		2010	7764685	Multifunctional Photosensitizers for Image-guided PDT of Brain Tumors	NCI
5 R01CA127477-02		2010	7842517	Lung radioprotection by inhibition of TNF-alpha and TGF-beta1	NCI
5 R01CA127482-03		2010	7805419	Roles of TIP-1 in Cancer Radiotherapy	NCI
5 R01CA127612-03		2010	7775077	Imaging and Tissue Biomarkers in Patients with Newly Diagnosed GBM	NCI
5 R01CA127958-02		2010	7894673	Chemoradiotherapy for Multiple Myeloma	NCI
5 R01CA128873-03		2010	7816627	Effect of Bone Marrow Cells on the Radiosensitivity of Brain and Mouth Cancers	NCI
5 R01CA129182-02		2010	7843644	Atlases to Report and Correlate Radiotherapy Dose Distributions with Outcomes	NCI
5 R01CA129326-02		2010	7864062	Subcellular/Cell Cycle Boron-Delivery Studies of Unnatural Amino Acids by SIMS	NCI
5 R01CA129339-03		2010	7766926	Rectifying defects in tumor vasculature to improve chemo- and radiation therapies	NCI
5 R01CA129553-03		2010	7848065	Monitoring Early Treatment Response of Human Primary Brain Tumors by Sodium MRI	NCI
5 R01CA129554-02		2010	7788863	Oxygen and photosensitizer levels in photodynamic therapy of head and neck tumors	NCI
5 R01CA130814-02		2010	7845650	High-Throughput Computing for a Multi-Plan Framework in Radiotherapy	NCI
5 R01CA131039-03		2010	7897829	Image-Guided Interventional Cancer Therapy with Liposomal Radionuclides	NCI
5 R01CA131199-03		2010	7770788	Small Animal Image-Guided Radiotherapy	NCI

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5 R01CA131263-02		2010	7847454	scVEGF Targeted Radiotherapy of Mammary and Colonic Cancer	NCI
5 R01CA131348-03		2010	7881390	Prognosis and Effectiveness of Advanced Lung Cancer Treatment in the Elderly	NCI
5 R01CA131408-02		2010	7774356	HIF genes in head and neck cancer radiotherapy	NCI
5 R01CA131463-03		2010	7893671	Prediction of Second Cancer Risks for Children Treated with Proton - vs. - Photon	NCI
5 R01CA132861-02		2010	7753191	SYNTHESES AND CELLULAR STUDIES OF NEW PHOTOSENSITIZERS FOR MEDICAL APPLICATIONS	NCI
5 R01CA132899-02		2010	7849611	Adult Neurobehavioral Late Effects of Pediatric Low Grade Brain Tumors	NCI
5 R01CA132998-02		2010	7846235	Radiation Protectors and Radiation Therapy Coupled Chemoprevention	NCI
5 R01CA133069-03		2010	7825360	Late Effects of Radiation in Older Gynecologic Cancer Survivors	NCI
5 R01CA133216-02		2010	7846906	Brain Irradiation Affects Neuronal Function	NCI
5 R01CA133402-02		2010	7937029	NF-kB-mediated HER-2 overexpression in radioresistant breast cancer stem cells?	NCI
5 R01CA133470-03		2010	7895840	Secoisolaricresinol Diglucoside (SDB) Protection in Radiation Pheumonopathy	NCI
5 R01CA133474-02		2010	7894736	Computational Tools for Adaptive Radiation Therapy	NCI
5 R01CA133483-02		2010	7827999	Radiation-induced brain injury and cognitive dysfunction in aging rats	NCI
5 R01CA133539-02		2010	7943117	Radiotherapy with Dose-Rate Regulated Tracking	NCI
5 R01CA134444-02		2010	7904341	Genome-Wide Study to Identify SNPs and CNPs Associated with Radiation Injury	NCI
5 R01CA134541-03		2010	7802290	INCORPORATING REAL-TIME LOCALIZATION IN RADIATION THERAPY PLANNING AND DELIVERY	NCI
5 R01CA134627-03		2010	7923149	Prostate Edema in Permanent Interstitial Brachytherapy	NCI
5 R01CA134655-02		2010	7894884	Molecular cancer radiosensitization by targeting Mcl-1	NCI
5 R01CA134997-02		2010	7844856	Conjoint Analysis: Overcoming Obstacles to Routine Formal Preference Assessment i	NCI
5 R01CA135329-02		2010	7777390	MRI Biomarkers of Response in Cerebral Tumors	NCI
5 R01CA135358-03		2010	7845694	Targeted liposomal radiotherapy of malignant mesothelioma	NCI
5 R01CA135368-02		2010	7793535	Exploiting thermoregulatory mechanisms to improve radiation therapy of cancer	NCI
5 R01CA136513-02		2010	7862344	Identification of Inhibitory Compounds for Apaf-1 by High Throughput Screening	NCI
5 R01CA136639-02		2010	7827975	Bispecific Antibody Engineering for AML RIT	NCI
5 R01CA136810-02		2010	7809660	Analysis of Redox Modulated Signaling Networks in Response to Ionizing Radiation	NCI
5 R01CA136927-02		2010	7851294	Dose painting based on hypoxia and proliferative response	NCI

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5 R01CA137108-02		2010	7911771	New Stereoregular Functionalized Fullerenes as Nanomedicines for PDT	NCI
5 R01CA137488-16		2010	7897885	Two Compartment Models to Improve Brain Tumor Therapy	NCI
5 R01CA138239-03		2010	7903982	Human Breast Cancer Stem Cell Surrogates	NCI
5 R01CA138409-02		2010	7778361	Inhibition of matrix proteases to sensitize medulloblastoma cells to radiation	NCI
5 R01CA138784-02		2010	7843663	Local Radionuclide Delivery to Solid Tumors by Injectable Biopolymer	NCI
5 R01CA139573-02		2010	7896742	Role of PAK1-MORC2 Pathway in Breast Cancer	NCI
5 R01CA140299-02		2010	7894682	Whole-Body PET/CT Assessment of Tumor Perfusion Using Generator-Produced ⁶² Cu	NCI
5 R01CA140735-02		2010	7879455	PBeam: Fast and Easy Monte Carlo System for Proton Therapy	NCI
5 R03CA133944-02		2010	7878737	Empirical Likelihood Bayes Analysis of Quantile Regression Model	NCI
5 R13CA119860-05		2010	7783777	Annual San Antonio Breast Cancer Symposium	NCI
5 R21CA129201-03		2010	7790643	Biobehavioral Effects of Qigong During Treatment for Rectal Cancer	NCI
5 R21CA131395-02		2010	7759519	Ultrasound guided site-specific gene delivery in prostate cancer	NCI
5 R21CA133632-03		2010	7754667	Biomarker Models of Prostate Cancer Outcome After Radiotherapy	NCI
5 R21CA133859-02		2010	7879964	A Bi-Institutional Pilot Study of Vaccinations for Patients with Low Grade Glioma	NCI
5 R21CA134805-02		2010	7916367	Feasibility and Value of a Website for Assessing Patient-Reported Outcomes	NCI
5 R21CA135620-02		2010	7847516	Validation of a Predictive Model of Clinical Response to Concurrent Radiochemothe	NCI
5 R21CA137398-02		2010	7847674	Anti-tumor properties of curcumin in oral cancers: role of thioredoxin reductase	NCI
5 R21CA138365-02		2010	7798143	Imaging DNA damage dynamics for diagnostics, screening and target discovery	NCI
5 R21CA139320-02		2010	7843664	A Coaxial Plasma Accelerator for Proton Radiotherapy	NCI
5 R21CA140766-02		2010	7922557	Randomized Feasibility Study of Dilator Use and an Educational Program to Increas	NCI
5 R21CA141172-02		2010	7904967	Computer Assisted Symptom Management for Patients Receiving Radiation Therapy	NCI

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5 R21CA141833-02		2010	7851267	A Phase II Study to Test the Correlation of a Radiation Pneumonitis Imaging Bioma	NCI
5 R21CA141840-02		2010	7914418	Dosimetry Guided Phase II of 90Y-DOTA-tyr3-Octreotide + Retinoic Acid in Kids	NCI
5 R24CA074296-13		2010	7901366	Information Resources for Radiation Science	NCI
5 R25CA132822-02		2010	7938608	Cancer Nanotechnology in Imaging and Radiotherapy	NCI
5 R25CA134307-02		2010	7933876	Curriculum and Modules for Computer-Based Instruction of Medical Dosimetry	NCI
5 R33CA125297-04		2010	7898718	Nanobiophotonics Enabled Tumor Surgery and Intraoperative PDT	NCI
5 R37CA071382-12		2010	7782751	Molecular Pathogenesis of Radiation Enteropathy	NCI
5 R42CA113186-03		2010	7880076	Neuroimaging Aids for Treatment of CNS Vision Pathology	NCI
5 R43CA141968-02		2010	7925792	Enteric-Coated Oral Beclomethasone Dipropionate in Patients with Acute Enteritis	NCI
5 R44CA119571-04		2010	7903863	System for Automatic Segmentation of Male Pelvis Structures from CT Images	NCI
5 R44CA132254-04		2010	7923209	Image-Guided Stereotactic Radiosurgery of Breast Cancer	NCI
5 RC1CA144705-02		2010	7939631	Institutional variation in surgical care for breast cancer in US community hospit	NCI
5 RC1CA145075-02		2010	7943983	RADIATION-ENHANCED NANOBIOPOLYMER THERAPEUTICS THROUGH THE BLOOD-BRAIN BARRIER	NCI
5 RC1CA145722-02		2010	7938684	Evaluate long-term prognosis of localized prostate cancer following initial radia	NCI
5 RC1CA146337-02		2010	7936202	Targeted Photoactivatable Nanocells to Image and Treat Metastatic Ovarian Cancer	NCI
5 RC1CA146596-02		2010	7942930	Effectiveness of Early Stage Prostate Cancer Treatment	NCI
5 RC1CA147697-02		2010	7943978	A SonoKnife for Advanced Cancers	NCI
5 RC2CA148487-02		2010	7944165	Nanotechnology enabled desktop image-guided microbeam radiation therapy system	NCI
5 SC1CA138177-03		2010	7898846	Radiometal Chelates for Targeted Therapy of Melanoma	NCI
5 T32CA061801-15		2010	7789657	Training in Radiation Oncology	NCI

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5 T32CA113277-04		2010	7915755	Training in Radiation Oncology Translational Research	NCI
5 T32CA121937-03		2010	7860662	Laboratory Training Program in Radiation Oncology	NCI
5 U01CA139275-02		2010	7894830	Prediction Model for Radiation Sensitivity in Children with Cancer	NCI
5 U01CA141549-02		2010	7914263	Targeting Stoma-Tumor Co-Dependency for Glioma Therapy	NCI
5 U10CA010953-42		2010	7784444	Radiological Physics Center	NCI
5 U10CA020156-35		2010	7760557	Primary Breast Cancer Therapy Group	NCI
5 U10CA021661-34		2010	7781358	Radiation Therapy Oncology Group	NCI
5 U10CA025224-31		2010	7772350	North Central Cancer Treatment Group	NCI
5 U10CA029511-31		2010	7759154	Quality Assurance Review Center	NCI
5 U10CA032291-29		2010	7846827	Cancer and Leukemia Group B	NCI
5 U10CA035103-27		2010	7937787	Sioux Community Cancer Consortium	NCI
5 U10CA035281-27		2010	7848912	Northwest Community Clinical Oncology Program	NCI
5 U10CA045389-24		2010	7847704	Hematology-Oncology Associates of Central New York CCOP	NCI
5 U10CA047559-20		2010	7813868	Cancer and Leukemia Group B	NCI
5 U10CA052667-20		2010	7869286	San Juan Minority - Based Community Clinical Oncology Program	NCI
5 U24CA081647-12		2010	7884497	Advanced Technology QA Center	NCI
5 U24CA083105-09		2010	7798615	Penn Small Animal Imaging Resource (Penn-SAIR)	NCI
5 U54CA142157-02		2010	7922084	Walking Forward - American Indian Participation in Cancer Clinical Trials	NCI
5 U54CA142158-02		2010	7932842	MS/AL Radiation Oncology Research Partnership	NCI
5 U54CA142318-02		2010	7922685	UPMC McKeesport - ROCOG II - Sustained community clinical trial phase	NCI
5R01CA040355-26		2010	7870264	Heat and Radiation Effects on Tumor Microcirculation	NCI
5R01CA058985-18		2010	7892270	DNA Recombinational Repair: Role of the p53 Tumor Suppressor Protein	NCI
5R01CA062130-15		2010	7841886	Role of Heat Shock Transcription Factor Hsf1 in Tumorigenesis	NCI
5R01CA073807-11		2010	7866534	ROLE OF AMPK IN TUMOR DEVELOPMENT AND THERAPY	NCI

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5R01CA077465-07		2010	7897641	Gene repression by HSF1 during hyperthermia and other stresses.	NCI
5R01CA079765-10		2010	7742977	Leukocyte-Endothelial Adhesion in Tumor Immunity	NCI
5R01CA081244-12		2010	7942943	Heat shock proteins in signaling and cancer	NCI
5R01CA086860-08		2010	7776938	Radiation-induced lymphoid and hematopoietic toxicity	NCI
5R01CA089364-08		2010	7804531	Regulation of the Sodium/Iodide Symporter in Breast	NCI
5R01CA098706-07		2010	7869366	Transport of Large Molecules and Viral Vectors in Tumors: Effects of Cytotoxic an	NCI
5R01CA099326-19		2010	7846725	HSP 110 and its role in cancer therapy	NCI
5R01CA100634-08		2010	7763798	Radiovirotherapy for Multiple Myeloma	NCI
5R01CA113448-05		2010	7849025	EGFR/Radiation Response and Resistance Interactions	NCI
5R01CA115556-04		2010	7788176	Repression of ARE-Mediated Gene Expression	NCI
5R01CA115801-04		2010	7843722	Redox Modulation of Prostate Cancer	NCI
5R01CA119045-04		2010	7880266	Extracellular Hsp70 and hyperthermia in tumor therapy	NCI
5R01CA119927-10		2010	7849691	Mechanism of Irradiation Pulmonary Fibrosis	NCI
5R01CA125360-03		2010	7802277	Self-Assembling Immunotherapeutic Nanorings	NCI
5R01CA125482-03		2010	7827966	Cell Death Induction by High-Voltage, Nanosecond-duration Electric Pulses	NCI
5R01CA125722-03		2010	7917385	Applying nanosecond pulse electric fields to treat skin cancer	NCI
5R01CA125757-05		2010	7841842	X-ray Targeted Therapeutic Genes within Nanoparticles	NCI
5R01CA127264-02		2010	7752582	Cdk-2 Independent role of cyclin E in Cell survival	NCI
5R01CA128428-03		2010	7777324	Nanotubes in tumor imaging and therapy	NCI
5R01CA131290-02		2010	7837632	Integration of EGFR Inhibitors with Radiochemotherapy in Head and Neck Cancer	NCI
5R01CA133114-02		2010	7741711	The Use of 2-Deoxyglucose in Head and Neck Cancer Therapy	NCI
5R01CA134727-03		2010	7848960	Targeting EWS/FLI1-driven pathways to improve therapeutic gains in Ewing's Sarcom	NCI
5R13CA141926-02		2010	7873003	Radiation Research Society Meeting	NCI
7 R01CA122023-04		2010	7837743	Cancer therapy-induced long-term bone marrow injury	NCI
7 R01CA127935-02		2010	7749020	Boronated nucleosides for neutron capture therapy of brain tumors	NCI
7 U10CA031946-29		2010	7808042	Cancer and Leukemia Group B	NCI
7 U10CA077658-13		2010	7849066	Cancer and Leukemia Group B - The Ohio State University	NCI
7R01CA086860-09		2010	8056392	Radiation-induced lymphoid and hematopoietic toxicity	NCI
N01CM62201-10-0-1		2010	8014387	Early Therapeutics Development with Phase II Emphasis	NCI
N01CM62202-8-0-1		2010	8014386	Early Therapeutics Development with Phase II Emphasis	NCI
N01CM62203-9-0-1		2010	8014385	Early Therapeutics Development with Phase II Emphasis	NCI

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N01CM62204-10-0-1		2010	8014383	Early Therapeutics Development with Phase II Emphasis	NCI
N01CM62205-11-0-1		2010	8014381	Early Therapeutics Development with Phase II Emphasis	NCI
N01CM62206-9-0-1		2010	8014379	Early Therapeutics Development with Phase II Emphasis	NCI
N01CM62207-9-0-1		2010	8014377	Early Therapeutics Development with Phase II Emphasis	NCI
N01CM62208-9-0-1		2010	8014375	Early Therapeutics with Phase II Emphasis	NCI
N01CM62209-9-0-1		2010	8014373	Early Therapeutics Development with Phase II Emphasis	NCI
1 S10RR026587-01		2010	7792062	SARRP 200 Small animal radiation research platform	NCRR
1 S10RR026747-01		2010	7793118	Image guided X-ray irradiator for biomedical research	NCRR
1 S10RR026921-01		2010	7793801	Pre-clinical PET Imaging System	NCRR
1 S10RR027516-01		2010	7795538	Small Animal Radiation Research Platform with Cone-beam CT Guidance	NCRR
1 S10RR027619-01		2010	7795491	GammabeamX200 Preclinical Research Irradiator	NCRR
1 S10RR027858-01		2010	7794276	X-irradiator for in vivo and in vitro studies with relevance to basic stress sign	NCRR
1 S10RR028011-01		2010	7797085	X-RAD 225Cx Image Guided Biological Irradiator System	NCRR
1 S10RR028073-01		2010	7798474	Purchase and installation of X-Rad 320 Biological irradiator for USC Keck School	NCRR
1 S10RR029545-01		2010	7842113	MicroPET/SPECT/CT animal imaging device for translational research	NCRR
5 M01RR000188-46	6620	2010	8166756	CLINICAL TRIAL: EBV-SPECIFIC CYTOTOXIC T-LYMPHOCYTES FOR EBV-POSITIVE NASOPHARYN	NCRR
5 M01RR000188-46	6546	2010	8166682	[Parent Title: General Clinical Research Center] CLINICAL TRIAL: A PHASE I TRIAL OF CAPECITABINE RAPIDLY DISINTEGRATING TABLETS A	NCRR
5 M01RR007122-19	6895	2010	8167034	[Parent Title: General Clinical Research Center] CARDIOVASCULAR MRI IN CHILDHOOD CANCER SURVIVORS PILOT STUDY	NCRR
5 P20RR016470-10	7680	2010	8167848	[Parent Title: General Clinical Research Center] PHOTOSENSITIZED REDUCTION AND DNA ALKYLATION OF ALKYLATING QUINONES AND NITROAR	NCRR
5 P20RR016480-10	7421	2010	8167582	[Parent Title: Advancing Competitive Biomedical Research in Puerto Rico] PHOTON UPCONVERTING NANOPARTICLES AS PHOTOSENSITIZING AGENTS FROM BREAST CANCER	NCRR
5 P41RR001192-31	5435	2010	8169511	[Parent Title: New Mexico IDeA Networks of Biomedical Research Excellence (INBRE) [P20]] HYPEROXIC RESPIRATORY CHALLENGES TO MONITOR CHEMOTHERAPY EFFECTS	NCRR
5 P41RR001192-31	5431	2010	8169507	[Parent Title: A Laser Microbeam Biotechnology Resource] MODULATED IMAGING OF RAT GLIOMA	NCRR
5 P41RR001192-31	5353	2010	8169429	[Parent Title: A Laser Microbeam Biotechnology Resource] EFFECTS OF PDT & GAMMA RADIATION ON HUMAN GLIOMA SPHEROIDS	NCRR
5 P41RR001192-31	5350	2010	8169426	[Parent Title: A Laser Microbeam Biotechnology Resource] ODT MONITORING INTRATUMORAL BLOOD FLOW DURING PHOTODYNAMIC THERAPY(PDT)	NCRR
5 P41RR002584-23	7583	2010	8171671	[Parent Title: A Laser Microbeam Biotechnology Resource] ADVANCED MR TECHNOLOGIES FOR PROBING THE TUMOR MICROENVIRONMENT	NCRR
5 P41RR002584-23	7559	2010	8171646	[Parent Title: Southwestern NMR Center for In Vivo Metabolism] PROGNOSTIC RADIOLOGY AND THE PATHOPHYSIOLOGY OF TUMORS	NCRR
5 P41RR005959-21	7494	2010	8171581	[Parent Title: Southwestern NMR Center for In Vivo Metabolism] IMAGING LUNG CANCER IN MICE TO IMPROVE RADIATION THERAPY	NCRR
5 P41RR005959-21	7475	2010	8171562	[Parent Title: Integrated Center for InVivo Microscopy] PRESENTATIONS BY CRISTIAN BADEA	NCRR
				[Parent Title: Integrated Center for InVivo Microscopy]	

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5 P41RR005959-21	7451	2010	8171538	PRESENTATIONS BY G ALLAN JOHNSON, PHD	NCRR
5 P41RR013642-13	7098	2010	8171181	[Parent Title: Integrated Center for InVivo Microscopy] "BRAIN'S LINES": A METHOD OF NON-RIGID REGISTRATION OF TWO-DIMENSIONAL IMAGES	NCRR
5 P51RR000163-51	5251	2010	8173239	[Parent Title: Computational Anatomy and Multidimensional Modeling] AMH AS PREDICTOR OF FOLLICLE FUNCTION DURING ENCAPSULATED 3D CULTURE IN MACAQUES	NCRR
5 P51RR000163-51	5205	2010	8173193	[Parent Title: SUPPORT FOR NATIONAL PRIMATE RESEARCH CENTER] PRE-CLINICAL TRIALS FOR FEMALE FERTILITY PRESERVATION	NCRR
5 P51RR000166-49	8667	2010	8172764	[Parent Title: SUPPORT FOR NATIONAL PRIMATE RESEARCH CENTER] RADIOIMMUNOTHERAPY AND EXTRACORPOREAL ADSORPTION THERAPY STUDIES IN MACAQUES	NCRR
5 P51RR000166-49	8666	2010	8172763	[Parent Title: National Primate Research Center] PRETARGETED ANTI-CD45 RADIOIMMUNOTHERAPY STUDIES IN MACAQUES	NCRR
				[Parent Title: National Primate Research Center]	
5 R43RR028017-02		2010	7879291	Novel Static Screen Volumetric 3D Display for Medical Image Visualization	NCRR
1 R01HL098489-01		2010	7768551	Development of safe and efficient gene therapy strategies for hemoglobinopathies	NHLBI
2 P01HL075462-06A1	8340	2010	7925246	TLI and ATG Conditioning for Combined Kidney and Blood Stem Cell Transplantation	NHLBI
				[Parent Title: Blood Stem Cell Transplantation as Immunotherapy]	
5 K23HL084054-04		2010	7761281	Improving Allogenic Transplant Outcomes in Myeloid Malignancies	NHLBI
5 R01HL086998-03		2010	7902263	Endothelial Progenitor Cell Transplant to Accelerate Hematopoietic Recovery	NHLBI
5 R21HL092518-02		2010	7862431	Inhibition of the SDF-1/CXCR4 axis as preventive therapy for radiation-induced pu	NHLBI
1 U19AI091036-01	6477	2010	8010008	Mitigation of Brain Inflammation and Cognitive Impairment after Radiation Injury	NIAID
				[Parent Title: University of Rochester Center for Medical Countermeasures against Radiation]	
1 U19AI091173-01	6785	2010	8013161	In vivo irradiations with patients undergoing radiation therapy: dana farber canc	NIAID
				[Parent Title: Physically-Based Biodosimetry for Triage After a Large Radiation Incident]	
2 U19AI068021-06	6542	2010	8010803	Pilot Project's Core	NIAID
				[Parent Title: Mitochondrial Target for Radiation Mitigation]	
1 R01EB009699-01A1		2010	7899696	Four Dimensional Cone Beam CT for Image-guided Radiation Therapy	NIBIB
2 U54EB005149-06	6009	2010	8153629	Core 2c Head and Neck Cancer - Driving Biological Project	NIBIB
				[Parent Title: National Alliance for Medical Image Computing (NAMIC)]	
5 R01EB001994-11		2010	7825469	SPECT/CT Image-Based Dosimetry in Radionuclide Therapy	NIBIB
5 R01EB006193-04		2010	7775004	Autosegmentation for head and neck Radiotherapy	NIBIB
5 R01EB007705-02		2010	7826778	DEVELOPMENT OF A MICRORT SYSTEM	NIBIB
5 RL1HD058293-04		2010	7930684	RO1A: Novel Methods for Cryopreservation and Recovery of Human Follicles (2/10)	NICHD
5 RL1HD058294-04		2010	7901096	RO1B: Bioengineering Primate Follicles: From Immature Eggs to Live Births (3/10)	NICHD
5 R01DC007659-05		2010	7874561	Oropharyngeal Function After Radiotherapy with IMRT	NIDCD
1 R01DE021462-01		2010	8024359	Understanding the mechanism of radiotherapy-induced dentition breakdown	NIDCR
3 R01DE018888-03S1		2010	8118679	Mechanisms of IGF-1 mediated rescue of radiation-induced salivary gland dysfuncti	NIDCR
5 R01DE018888-03		2010	7900030	Mechanisms of IGF-1 mediated rescue of radiation-induced salivary gland dysfuncti	NIDCR
5 R01DE019141-02		2010	7934658	Adherence to Swallowing Rehabilitation Exercises in Head and Neck Cancer	NIDCR
5 R21DE018178-02		2010	7938825	Development of a canine model of radiotherapy induced oral mucositis	NIDCR
5 R21DE019954-02		2010	7895711	Modeling Adherence to Swallowing and Dental Regimens in Head and Neck Cancer	NIDCR

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5 K08DK073282-05		2010	7750617	Gnotobiotic mouse models/microbial regulation of intestinal injury	NIDDK
5 R01ES005865-17		2010	7858272	Repair of DNA Damage Induced By Environmental Agents	NIEHS
1 R03MH092170-01		2010	8011293	Discovering Nrf2 inhibitors to enhance cancer chemotherapy and radiotherapy	NIMH
5 P50NS020023-27	8626	2010	8106240	TRANSLATIONAL CLINICAL TRIALS FOR PRIMARY CNS TUMORS	NINDS
5 P50NS020023-27	8624	2010	8106238	[Parent Title: SRC on Primary Tumors of the CNS] TARGETED RADIOTHERAPY OF BRAIN TUMORE USING MODULAR RECOMBINANT	NINDS
5 R01NS049517-06		2010	7773510	[Parent Title: SRC on Primary Tumors of the CNS] Spinal Cord Tolerance to Radiosurgical Dose Delivery	NINDS
5 R01NS054009-04		2010	7845562	CNS Radiation Injury: Regeneration via Human ES Cells	NINDS
5 R01NS056218-05		2010	7765628	Effects of Radiation on Brain Microvasculature and Cognition	NINDS
5 R01NS060752-02		2010	7905757	Novel Tools for Evaluation and Prediction of Radiotherapy Response in Individual	NINDS
5 R01NS061835-03		2010	7777270	Regression of meningioma tumor growth by combination therapy	NINDS
5 R01NS064535-02		2010	7935185	Combination therapy to inhibit glioma growth by Ad MMP2 and radiation	NINDS
5 R01NS064973-02		2010	7825474	Functional Imaging as a Biomaker for Neurotoxicity After Brain Irradiation	NINDS
1 ZIANR000019-01		2010	8149621	INVESTIGATING MOLECULAR-GENETIC CORRELATES OF FATIGUE	NINR
5 R01NR009675-04		2010	7788153	Phase III Study of Donepezil in the Irradiated Brain	NINR
5 R01NR011322-02		2010	7944082	EVALUATION OF CARDIOVASCULAR OUTCOMES AMONG CHILDHOOD CANCER SURVIVORS	NINR
5 R21NR010746-02		2010	7806444	A PATIENT-CONTROLLED COGNITIVE-BEHAVIORAL INTERVENTION FOR CANCER SYMPTOMS	NINR
5 R01LM009362-04		2010	7799062	4D Visible Human Modeling for Radiation Dosimetry	NLM
1 DP2OD007096-01		2010	7981069	Imaging and Overcoming Hypoxia-Induced Resistance in Metastatic Ovarian Cancer	OD

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1 F31CA159912-01		2011	8131322	Porphyrin Conjugates and EGFR	NCI
1 K07CA151775-01A1		2011	8111884	Determinants of late cardiovascular morbidity among survivors of hematopoietic ce	NCI
1 K07CA151910-01A1		2011	8189749	A Network Analytic Approach to Modeling Variation in Prostate Cancer Care	NCI
1 K07CA157923-01		2011	8090704	Neurocognitive Outcomes Following Proton Beam Radiation Therapy for Treatment of	NCI
1 K08CA149078-01A1		2011	8046235	Mechanism of Radiation Mediated Clearance of HPV Positive Head and Neck Cancer	NCI
1 K08CA154790-01A1		2011	8189751	PET TUMOR AND PROLIFERATION IMAGING VIA CATIONIC AMINO ACID TRANSPORT	NCI
1 K99CA155045-01A1		2011	8111512	Mechanism-based therapies for pancreatic cancer informed by stromal microrheology	NCI
1 R01CA140734-01A1		2011	8109106	Comprehensive Tumor Microenvironment Based Prediction Models in Prostate Cancer	NCI
1 R01CA143428-01A1		2011	8028495	Rel B mediated-redox regulation of radiation therapy	NCI
1 R01CA148707-01A1		2011	8043902	Placebo Controlled Trial Of Acupuncture To Prevent Radiation-Induced Xerostomia	NCI
1 R01CA149305-01A1		2011	8105671	Quantitative dual-energy CT imaging for radiation therapy treatment planning	NCI
1 R01CA149318-01A1		2011	8181978	Development of Clinical Strategies to Prevent GBM Recurrences After Radiotherapy	NCI
1 R01CA150226-01A1		2011	8105969	Role of beta-endorphin in cancer therapy induced fatigue	NCI
1 R01CA154356-01A1		2011	8114365	Characterizing the DNA methylomes of indolent and aggressive prostate cancers	NCI
1 R01CA154471-01		2011	8021058	Targeting SYK Tyrosine Kinase to Overcome Radiation Resistance in ALL	NCI
1 R01CA154491-01A1		2011	8184042	Conformal Total Body and Marrow Irradiation for Leukemia	NCI
1 R01CA154561-01A1		2011	8115744	Pretherapy 124I-MIBG Dosimetry for Planning 131I-MIBG Neuroblastoma Therapy	NCI
1 R01CA154747-01		2011	8026135	Low dose cone beam CT for image guided adaptive radiotherapy	NCI
1 R01CA154897-01A1		2011	8185529	CD38 Pretargeted Radioimmunotherapy for Myeloma	NCI
1 R01CA155270-01A1		2011	8184633	The "Phoenix Rising" pathway of tumor repopulation during radiotherapy	NCI
1 R01CA155365-01A1		2011	8187493	IMAGING BIOMARKERS FOR RADIATION-INDUCED NECROSIS	NCI
1 R01CA156177-01		2011	8034651	Targeted Photoactivable Nanocells: Image-based Drug Delivery and Dosimetry in GBM	NCI
1 R01CA157809-01A1		2011	8193431	Tele-based Psychosocial Intervention for Symptom Management & HRQOL in Men Living	NCI
1 R01CA158100-01		2011	8085558	An integrated x-ray/optical tomography system for preclinical radiation research	NCI
1 R01CA158301-01		2011	8086285	HIFs and VEGF in sarcoma progression, metastasis, and radiation response	NCI

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1 R01CA158448-01A1		2011	8238907	Injectable reporters to image tumors and guide resection	NCI
1 R01CA158800-01		2011	8087067	PET/CT Imaging of Malignant Brain Tumors with 124I-NM404	NCI
1 R01CA159178-01		2011	8097179	Quantitative MRI-Guided Nanoembolization for Liver Cancer	NCI
1 R01CA159258-01A1		2011	8193323	Role of SDF1a pathway in prostate cancer relapse and metastasis post-radiotherapy	NCI
1 R01CA160998-01		2011	8162492	Ovarian Cancer PDT: Multi-intracellular targeting and Image-guided dosimetry	NCI
1 R01CA161613-01		2011	8178901	Integrated 3D X-Ray/ultrasound guided radiation therapy of soft tissue targets	NCI
1 R01CA161891-01		2011	8179670	Immunomodulation of breast cancer via TLR7 agonist imiquimod and radiotherapy.	NCI
1 R01CA168485-01		2011	8332457	Extension of Radiotherapy Research	NCI
1 R03CA159530-01		2011	8128358	Developing a Skin Toxicity-Related Quality of Life Scale for Breast Radiotherapy	NCI
1 R03CA161752-01		2011	8176317	Costs and Complications of Radiotherapy Modalities	NCI
1 R13CA159723-01		2011	8128169	1st International Symposium on Childhood, Adolescent and Young Adult Hodgkin Lymph	NCI
1 R13CA159788-01		2011	8129911	Late Effects after Pediatric HSCT: State of the Science, Future Directions	NCI
1 R21CA153177-01A1		2011	8099997	Immuno-PET With Anti-PSMA 89Zr-J591 mAb For Molecular Imaging of Prostate Cancer	NCI
1 R21CA155511-01A1		2011	8190967	Racial Disparities in Radiation-Induced Cutaneous Toxicity and Fatigue in Patient	NCI
1 R21CA155518-01A1		2011	8190817	Soy isoflavones to augment radiotherapy of lung carcinoma	NCI
1 R21CA155911-01		2011	8038924	Targeted Radiotherapy with 90Y-BC8 Monoclonal Antibody, Fludarabine and TBI Follow	NCI
1 R21CA156037-01A1		2011	8114931	Novel Combination Therapy Against Pancreatic Cancer	NCI
1 R21CA156068-01A1		2011	8191279	Lung Sparing for SBRT with beam's-eye-view images and real time tumor tracking	NCI
1 R21CA156081-01A1		2011	8114565	Translational Regulation of the Inflammatory Breast Cancer Stem Cell	NCI
1 R21CA156088-01		2011	8030616	Targeted therapy of pancreatic cancer with in vivo radionuclide generator	NCI
1 R21CA156227-01A1		2011	8189319	Combination Therapy With 5-FU and PDT For The Treatment Of Post-Transplant Premal	NCI
1 R21CA156390-01A1		2011	8193337	Robotic SPECT for Biological Imaging Onboard Radiation Therapy Machines	NCI
1 R21CA159073-01A1		2011	8191798	Imaging for Y90 Microsphere SIRT Planning	NCI
1 R21CA159547-01		2011	8129405	Cardiac Sparing Whole Lung IMRT in Children and Young Adults with Lung Metastases	NCI
1 R21CA161182-01		2011	8175225	Using Ketogenic Diets to Enhance Radio-Chemo-Therapy Response: A Phase I Trial	NCI
1 R21CA161537-01		2011	8175145	Tri-modal Polymeric Micelles for 'See & Treat' Applications in Surgical Oncology	NCI
1 R21CA162718-01		2011	8204379	Image-guided bone marrow-sparing IMRT for cervical cancer	NCI
1 R41CA153681-01A1		2011	8058357	Feasibility of a New Thermo-brachytherapy Seed for Concurrent Brachytherapy and H	NCI
1 R43CA153466-01A1		2011	8057371	Real-time PET guided radiation therapy for cancer treatment	NCI
1 R43CA153689-01A1		2011	8123632	Automatic Segmentation of Organs in Computed Tomography for Radiation Therapy Pla	NCI
1 R43CA159527-01A1		2011	8199371	Modulation of In Vivo Tumor Oxygenation via Polymersome-encapsulated Myoglobin	NCI

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1 ZIABC010477-09		2011	8349014	Overhauser Enhanced Magnetic Resonance Imaging (OMRI)	NCI
1 ZIABC010516-09		2011	8349033	Gated Optical DetectorsDose Guided Radiotherapy	NCI
1 ZIABC010580-08		2011	8349055	Phase II Trial of PEG-Intron in Children with Diffuse Pontine Gliomas	NCI
1 ZIABC010603-08		2011	8349063	Receptor-directed Therapy	NCI
1 ZIABC010655-07		2011	8349089	Prostate Cancer Imaging	NCI
1 ZIABC010656-07		2011	8349090	Growth Factor Imaging	NCI
1 ZIABC010657-07		2011	8349091	Intracellular In vivo Imaging	NCI
1 ZIABC010670-07		2011	8349096	Molecular-Targeted Radiation Therapy	NCI
1 ZIABC010678-07		2011	8349101	Keratinocyte Growth Factor (KGF): Clinical Applications	NCI
1 ZIABC010709-06		2011	8349112	An Exploratory Study of Biologic and Pathophysiologic Effects of Radiation Therap	NCI
1 ZIABC010849-05		2011	8349204	Evaluation of Novel Radiation Modifiers	NCI
1 ZIABC010850-05		2011	8349205	Mechanisms of Normal Tissue Toxicity	NCI
1 ZIABC010873-04		2011	8349211	Underlying Cause of Radiation-induced Fibrosis	NCI
1 ZIABC010925-04		2011	8349233	Phase I Study of Topical Romidepsin in Early Stage Cutaneous T-cell Lymphoma	NCI
1 ZIABC010946-04		2011	8349242	Protection against Radiation-Induced Carcinogenesis	NCI
1 ZIABC010975-04		2011	8349255	Vaccine and radiation for the therapy of human cancers	NCI
1 ZIABC011018-04		2011	8349283	Differential Gene Expression and Targeting of Gliomas Using Radiation	NCI
1 ZIABC011213-03		2011	8349402	Application of Gold Nanoparticles to Increase the Efficacy of Radiation Therapy	NCI
1 ZIABC011222-03		2011	8349409	CNS sirtuins in radiation-induced vascular permeability and neurodegeneration	NCI
1 ZIABC011298-02		2011	8349451	Ph I Radiation and Lenalidomide in pediatric malignant glioma	NCI
1 ZIABC011299-02		2011	8349452	Noninvasive Evaluation of Pediatric CNS Tumors	NCI
1 ZIABC011330-02		2011	8349475	Tumor heterogeneity in breast cancer brain metastasis after brain radiation	NCI
1 ZIABC011333-02		2011	8349477	Neuropsychological outcome measures in patients receiving whole brain radiation	NCI
1 ZIABC011347-02		2011	8349490	Genetic Correlation with Efficacy and Toxicity of Brain Tumor Therapies	NCI

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1 ZIACP010131-16		2011	8349562	Studies of Populations Exposed to Therapeutic Medical Radiation and Other Agents	NCI
1 ZIACP010133-16		2011	8349564	Studies of Populations Exposed to Occupational Sources of Radiation	NCI
1 ZIACP010222-01		2011	8349613	Studies of Populations Exposed to Diagnostic Medical Radiation	NCI
1 ZIASC004002-42		2011	8350042	IL-2IL-15 Cytokine Receptor: Implications for Cancer Therapy and Vaccine Design	NCI
1 ZIASC006353-29		2011	8350046	Metal Chelate Conjugated Monoclonal Antibodies for Tumor Diagnosis and Therapy	NCI
1 ZIASC010372-11		2011	8350084	Molecular Profiling of Patients Undergoing Radiotherapy	NCI
1 ZIASC010373-11		2011	8350085	The Synergy Between Radiotherapy and Molecularly Targeted Agents	NCI
1 ZICBC010941-04		2011	8350115	CCR FACS Core Laboratory	NCI
1 ZICBC010991-04		2011	8350123	Radiation Oncology Branch - Microarray Facility	NCI
1 ZICBC011040-04		2011	8350129	Molecular Profiling of Clinical Specimens	NCI
1 ZIDBC010990-04		2011	8350188	Radiation Oncology Branch - Radiation Clinic	NCI
1 ZIDBC011098-04		2011	8350192	Brain Tumor Clinical and Clinical Research Program	NCI
1 ZIDSC006329-31		2011	8350202	Clinical Radiation Physics Service	NCI
1 ZIEBC010843-05		2011	8350206	Medical Oncology Fellowship Program	NCI
1R01CA149461-01A1		2011	8042256	Molecular mechanisms of GBM radioresistance and strategies for radiosensitization	NCI
1R01CA152313-01A1		2011	8113116	Target MKP-1 for Therapy-Resistant Breast Cancer Stem Cells	NCI
1R01CA155446-01A1		2011	8116826	Radiation response modulation of tumors using bioconjugated gold nanoparticles	NCI
1R01CA156744-01		2011	8054560	Mechanistic validation of SCF E3 ligase as a cancer and radiosensitizing target	NCI
1R01CA157490-01		2011	8081306	Investigating the Role of Autophagy in Pancreatic Cancer Radiation Resistance	NCI
1R01CA168484-01		2011	8332452	Markers and therapeutic strategies for overcoming chemoradiotherapy resistance	NCI
1R15CA152917-01A1		2011	8102668	Quantitative evaluation of the NIR-mediated photo-thermal ablation of tumor cells	NCI
1R21CA152555-01A1		2011	8114667	Reduced Temperature Thermal Ablation for HCC and other Liver Tumors	NCI
1R21CA156078-01		2011	8032655	Fiberoptic Microneedle Device for Nanoparticle-Enhanced Photothermal Therapy of A	NCI

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1R21CA156995-01		2011	8059203	Targeting invasion and DNA DSB repair in glioma with a multi-pronged approach.	NCI
2 K12CA090354-11		2011	8089845	Training Program in Nervous System Tumors	NCI
2 K12CA090625-11		2011	8092279	Vanderbilt Clinical Oncology Research Career Development Award	NCI
2 P01CA044991-23A1	8456	2011	8131415	Nuclear Medicine Core	NCI
2 P01CA044991-23A1	8454	2011	8131413	[Parent Title: Therapy of Lymphoma/Leukemia with Monoclonal Antibodies] Pretargeted Radioimmunotherapy for Hematologic Malignancies	NCI
				[Parent Title: Therapy of Lymphoma/Leukemia with Monoclonal Antibodies]	
2 P01CA044991-23A1	8453	2011	8131411	Radioimmunotherapy for Lymphoma	NCI
2 P01CA044991-23A1	8452	2011	8131409	[Parent Title: Therapy of Lymphoma/Leukemia with Monoclonal Antibodies] Radioimmunotherapy for Leukemia	NCI
2 P30CA016086-35	8692	2011	8340216	[Parent Title: Therapy of Lymphoma/Leukemia with Monoclonal Antibodies] Clinical Research	NCI
2 P30CA022453-29	5650	2011	8350785	[Parent Title: Cancer Center Core Support Grant] Biostatistics	NCI
				[Parent Title: CANCER CENTER SUPPORT GRANT]	
2 P30CA086862-11	8605	2011	8340078	Tumor Imaging	NCI
				[Parent Title: Cancer Center Support Grant (CCSG)]	
2 P30CA134274-04	8694	2011	8340230	Senior Leadership	NCI
				[Parent Title: University of Maryland Greenebaum Cancer Center Support Grant]	
2 P30CA134274-04	8703	2011	8340240	Radiation Linear Shared Service	NCI
				[Parent Title: University of Maryland Greenebaum Cancer Center Support Grant]	
2 R01CA070823-13A1		2011	8183594	Iron, NO, and Lipid Peroxide in Photodynamic Therapy	NCI
2 R01CA109234-06A1		2011	8205584	Quantitative SPECT for Targeted Radionuclide Therapy	NCI
2 R01CA111288-06		2011	8195377	Enabling Technologies for MRI-Guided Prostate Interventions	NCI
2 R01CA111590-05A1		2011	8181130	Four-dimensional Monte Carlo dose calculation	NCI
2 R01CA116477-06		2011	8184649	Dose-Response in Radionuclide Therapy	NCI
2 R01CA122794-06		2011	8108668	In vivo analysis of EGFR mutant driven lung cancers responses to radiation therap	NCI
2 R44CA140166-02A1		2011	8123886	Chemoprotectants for Head-Neck Therapeutics	NCI
2 R44CA141941-02		2011	8058166	CT Image Estimation for Calculation of Delivered Dose	NCI
2 U10CA010953-43		2011	8031345	Radiological Physics Center	NCI
2 U10CA011488-41		2011	8019851	EORTC HEADQUARTERS	NCI

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2 U10CA076001-15		2011	8021354	ACOSOG Competing Renewal	NCI
261200800001E-38-0-9		2011	8241791	DCTD Radiation Modifiers	NCI
261201000024C-3-0-2		2011	8317495	TAS::75 0849::TAS	NCI
261201000025C-4-0-2		2011	8317521	TAS::75 0849::TAS	NCI
261201000026C-5-0-2		2011	8317519	TAS::75 0849::TAS	NCI
261201000027C-4-0-2		2011	8317493	TAS::75 0849::TAS	NCI
261201000028C-5-0-2		2011	8317497	TAS::75 0849::TAS SURVEILLANCE, EPIDEMIOLOGY, AND END RESULTS (SEER) PROGRAM	NCI
261201000029C-5-0-2		2011	8317510	TAS::75 0849::TAS SURVEILLANCE, EPIDEMIOLOGY, AND END RESULTS (SEER) PROGRAM	NCI
261201000030C-5-0-2		2011	8317508	TAS::75 0849::TAS SURVEILLANCE, EPIDEMIOLOGY, AND END RESULTS (SEER) PROGRAM	NCI
261201000031C-4-0-2		2011	8317500	TAS::75 0849::TAS SURVEILLANCE, EPIDEMIOLOGY, AND END RESULTS (SEER) PROGRAM	NCI
261201000032C-5-0-2		2011	8317503	TAS::75 0849::TAS SURVEILLANCE, EPIDEMIOLOGY AND END RESULTS PROGRAM	NCI
261201000033C-3-0-2		2011	8317505	TAS::75 0849::TAS SURVEILLANCE, EPIDEMIOLOGY AND END RESULTS PROGRAM	NCI
261201000034C-4-0-2		2011	8317513	TAS::75 0849::TAS SURVEILLANCE, EPIDEMIOLOGY AND END RESULTS PROGRAM	NCI
261201000035C-5-0-2		2011	8317515	TAS::75 0849::TAS	NCI
261201000037C-3-0-2		2011	8316068	TAS::75 0849::TAS SURVEILLANCE, EPIDEMIOLOGY, AND END RESULTS (SEER) PROGRAM	NCI
261201000140C-2-0-1		2011	8351013	TAS::75 0849::SURVEILLANCE, EPIDEMIOLOGY, AND END RESULTS (SEER) PROGRAM	NCI
261201100035C-0-0-1		2011	8341326	TAS::75 0849::TAS	NCI
261201100036C-0-0-1		2011	8341331	TAS::75 0849::TAS	NCI
261201100037C-0-0-1		2011	8341337	TAS::75 0849::TAS	NCI
261201100042C-0-0-1		2011	8341391	IGRT SOFTWARE SOFTWARE USING IN VIVO OPTICAL 3D & CBCT IMAGES	NCI
3 K12CA087723-09S1		2011	8269159	Clinical Research Career Development Program	NCI
3 K12CA087723-09S2		2011	8270724	Clinical Research Career Development Program	NCI
3 K12CA087723-10S1		2011	8333475	Clinical Research Career Development Program	NCI
3 K12CA087723-10S2		2011	8333476	Clinical Research Career Development Program	NCI
3 P01CA055791-18S1		2011	8265735	PDT - Mechanisms and Strategies for Optimization	NCI
3 P30CA013330-39S1		2011	8305821	Core Support for Cancer Center	NCI
3 P30CA013330-39S2		2011	8305822	Core Support for Cancer Center	NCI

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3 P30CA013330-39S3		2011	8322900	Core Support for Cancer Center	NCI
3 P30CA016059-30S2		2011	8304698	Massey Cancer Center Core Support	NCI
3 P30CA016059-30S3		2011	8322895	Massey Cancer Center Core Support	NCI
3 R01CA044114-21S1		2011	8322971	Physiological Factors in Hyperthermia	NCI
3 R01CA127369-04S1		2011	8211655	Multifunctional Photosensitizers for Image-guided PDT of Brain Tumors	NCI
3 R01CA133069-03S1		2011	8233766	Late Effects of Radiation in Older Gynecologic Cancer Survivors	NCI
3 R01CA135288-02S1		2011	8205701	Impact of Genomics on Disparities in Breast Cancer Radiosensitivity	NCI
3 R44CA138010-03S1		2011	8333600	Power Source Development for Compact Proton Accelerators	NCI
3 U10CA010953-43S1		2011	8327938	Radiological Physics Center	NCI
3 U10CA021661-35S1		2011	8322927	Radiation Therapy Oncology Group	NCI
3 U10CA025224-32S1		2011	8322925	North Central Cancer Treatment Group	NCI
3 U10CA029511-32S1		2011	8322877	Quality Assurance Review Center	NCI
3 U10CA031946-30S1		2011	8322930	Cancer and Leukemia Group B	NCI
3 U10CA076001-15S1		2011	8322924	ACOSOG Competing Renewal	NCI
3 U54CA142157-03S1		2011	8335654	Walking Forward - American Indian Participation in Cancer Clinical Trials	NCI
4 R01CA077475-11		2011	8193088	Sphingolipids in Cell Death after Photodamage	NCI
4 R01CA127958-03		2011	8192956	Chemoradiotherapy for Multiple Myeloma	NCI
4 R01CA129182-03		2011	8192952	Atlases to Report and Correlate Radiotherapy Dose Distributions with Outcomes	NCI
4 R01CA133474-03		2011	8192932	Computational Tools for Adaptive Radiation Therapy	NCI
4 R01CA134997-03		2011	8192934	Conjoint Analysis: Overcoming Obstacles to Routine Formal Preference Assessment i	NCI
4 R01CA140299-03		2011	8192914	Whole-Body PET/CT Assessment of Tumor Perfusion Using Generator-Produced ⁶² Cu	NCI
4 R44CA130225-02		2011	8219364	Infrared & X-ray Nanogold Therapy of Head & Neck Cancers	NCI
4 R44CA144415-02		2011	8298310	MRI Image Guided Radiation Therapy (IGRT) system with low cost, highly stable mag	NCI
4 R44CA150281-02		2011	8200281	A compact dose delivery system for proton radiation therapy	NCI
5 D43CA153784-02		2011	8117694	Zambian Cervical Cancer Research Capacity Initiative	NCI
5 F31CA130165-05		2011	8119143	A 3D Canine Phantom for Applications in Skeletal Molecular Radiotherapy	NCI

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5 F31CA144812-02		2011	8007385	Radiosensitization of Breast Cancer Cells by Vitamin D3 and Vitamin D Analogs	NCI
5 F31CA150658-02		2011	8194012	MRI for In Vivo Quantification of Yttrium-90 Microsphere Biodistribution	NCI
5 F32CA144210-02		2011	8165997	Hyperspectral Microendoscopy to Monitor VEGF During Pancreatic Cancer Therapy	NCI
5 F32CA154045-02		2011	8194011	Real-time Image Registration for 3-D Ultrasound Guided Partial Breast Irradiation	NCI
5 K07CA120025-05		2011	8068180	Aerobic and Resistance Exercise for Cancer-Related Fatigue During Radiation	NCI
5 K07CA131473-04		2011	8127838	Skin Toxicity Effects in Breast Radiation: A Cognitive Behavioral Intervention	NCI
5 K07CA133187-03		2011	8110086	Optimizing Treatment of Rectal Cancer Using a Markov Decision Model	NCI
5 K08CA124484-05		2011	8124894	Defining the Genetic Basis of the Radioresponse Using a C. elegans Tissue Model	NCI
5 K08CA151682-02		2011	8132916	Radioimmunotherapy for Multiple Myeloma	NCI
5 K12CA001727-18		2011	8132563	City of Hope Clinical Oncology Career Research Development Program	NCI
5 K12CA087723-10		2011	8130969	Clinical Research Career Development Program	NCI
5 K12CA120780-05		2011	8128673	UNC Oncology Clinical Translational Research Training Program	NCI
5 K23CA133196-04		2011	8097593	Homeostatic proliferation and regulatory T cell depletion as cancer immunotherapy	NCI
5 K23CA141052-03		2011	8124910	Effects of Antioxidant Supplementation during Breast Cancer Adjuvant Therapy	NCI
5 K25CA116291-06		2011	8076815	MRTI Guided Integrative Model for Cancer Treatment	NCI
5 K25CA123112-05		2011	8088049	Accurate Target Delineation and Motion Tracking to Improve IMRT Effectiveness	NCI
5 K99CA140783-02		2011	8070347	Can Optical Spectroscopy Predict Early Treatment Response in Solid Tumors	NCI
5 K99CA153948-02		2011	8145274	Theranostic Nanomedicine for Breast Cancer Prevention and Image-Guided Therapy	NCI
5 P01CA017094-32	9006	2011	8322714	CLINICAL TRIALS CORE [Parent Title: Therapeutic Targeting of Hypoxic and Oxidative Stress]	NCI
5 P01CA021239-32	9003	2011	8336791	Administrative Core [Parent Title: PROTON RADIATION THERAPY RESEARCH]	NCI
5 P01CA021239-32	9002	2011	8336790	Statistics, Data Exchange, Management and Support [Parent Title: PROTON RADIATION THERAPY RESEARCH]	NCI
5 P01CA021239-32	9001	2011	8336789	Clinical and Computational Support [Parent Title: PROTON RADIATION THERAPY RESEARCH]	NCI

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5 P01CA021239-32	0010	2011	8336788	Achieving "What-You-See-is-What-You-Get" In Proton Therapy	NCI
5 P01CA021239-32	0009	2011	8336787	[Parent Title: PROTON RADIATION THERAPY RESEARCH] Reducing Range Uncertainties in Proton Radiation Therapy	NCI
5 P01CA021239-32	0008	2011	8336786	[Parent Title: PROTON RADIATION THERAPY RESEARCH] Improving the Therapeutic Ratio of Proton Radiation Therapy	NCI
5 P01CA021239-32	0007	2011	8336785	[Parent Title: PROTON RADIATION THERAPY RESEARCH] Proton Dose Escalation and Proton vs. Photon Randomized Trials	NCI
5 P01CA043904-20	9010	2011	8331263	[Parent Title: PROTON RADIATION THERAPY RESEARCH] ANIMAL CORE: PHARMACOKINETICS, IMAGING AND THERAPY [Parent Title: Antibody Targeted Radiation and Immunotherapy for the Treatment of Solid Tumors]	NCI
5 P01CA043904-20	9008	2011	8331260	CLINICAL IMAGING AND RADIATION DOSIMETRY [Parent Title: Antibody Targeted Radiation and Immunotherapy for the Treatment of Solid Tumors]	NCI
5 P01CA043904-20	9001	2011	8331257	RADIOPHARMACY AND ASSAYS [Parent Title: Antibody Targeted Radiation and Immunotherapy for the Treatment of Solid Tumors]	NCI
5 P01CA043904-20	0006	2011	8331255	PRETARGETING WITH ANTI-CEA MABS FOR THERAPY [Parent Title: Antibody Targeted Radiation and Immunotherapy for the Treatment of Solid Tumors]	NCI
5 P01CA043904-20	0005	2011	8331254	RADIOIMMUNOTHERAPY: CLINICAL STUDIES [Parent Title: Antibody Targeted Radiation and Immunotherapy for the Treatment of Solid Tumors]	NCI
5 P01CA043904-20	0007	2011	8331256	CEA TARGETED IMMUNOTHERAPEUTICS [Parent Title: Antibody Targeted Radiation and Immunotherapy for the Treatment of Solid Tumors]	NCI
5 P01CA047741-18	8059	2011	8329455	Administrative Core [Parent Title: Novel Approaches to Stem Cell Transplantation]	NCI
5 P01CA049062-20	5442	2011	8281639	MECHANISM OF BYSTANDER MUTAGENESIS [Parent Title: Radiation Bystander Effects: Mechanisms]	NCI
5 P01CA049605-23	0002	2011	8260362	Autografting for Lymphoma [Parent Title: Bone Marrow Grafting for Leukemia and Lymphoma]	NCI
5 P01CA049605-23	0010	2011	8260363	Non-Myeloablative Host Conditioning that Protects Against GVHD [Parent Title: Bone Marrow Grafting for Leukemia and Lymphoma]	NCI
5 P01CA049605-23	0001	2011	8260361	Allografting for Lukemia [Parent Title: Bone Marrow Grafting for Leukemia and Lymphoma]	NCI
5 P01CA055791-18	7870	2011	8230229	Administrative [Parent Title: PDT - Mechanisms and Strategies for Optimization]	NCI
5 P01CA055791-18	7868	2011	8230227	Optics [Parent Title: PDT - Mechanisms and Strategies for Optimization]	NCI
5 P01CA055791-18	7863	2011	8230222	Molecular Pathways for Optimizing PDT [Parent Title: PDT - Mechanisms and Strategies for Optimization]	NCI

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5 P01CA055791-18	7866	2011	8230225	PDT of Head and Neck Cancer	NCI
5 P01CA055791-18	7862	2011	8230221	[Parent Title: PDT - Mechanisms and Strategies for Optimization] Development of Agents for Optimization of Photodynamic Therapy and Tumor Imaging	NCI
5 P01CA067166-15	0013	2011	8208644	Osteopontin & Tumor Progression in Head and Neck Cancers	NCI
5 P01CA067166-15	0011	2011	8208642	[Parent Title: Tumor Hypoxia: Molecular Studies & Clinical Exploitation] Mechanistic and Translational Studies of PR-104:A New Hypoxia Activated Cytotoxin	NCI
5 P01CA071933-13	8853	2011	8299610	Radiation Enhancement of HSV Anti-Tumor Effects	NCI
5 P01CA078902-13	8824	2011	8240005	[Parent Title: Engineered HSV For Treatment of Malignant Glioma] Allogeneic HCT for Hematologic Malignancies: Immune Manipulations	NCI
5 P01CA078902-13	8822	2011	8240003	[Parent Title: Mixed Hematopoietic Chimerism After Stem Cell Allografts] Establishing Mixed Hematopoietic Chimerism in a Canine Model	NCI
5 P01CA084203-08	7851	2011	8208942	[Parent Title: Mixed Hematopoietic Chimerism After Stem Cell Allografts] Mechanism-Based Design of Combination Therapies for Pancreatic Cancer	NCI
5 P01CA084203-08	7850	2011	8208941	[Parent Title: Molecular Response and Imaging-based Combination Strategies for Optimal PDT] Clinical Photodynamic Therapy for Pancreatic and Biliary Tract Cancer	NCI
5 P01CA084203-08	7847	2011	8208940	[Parent Title: Molecular Response and Imaging-based Combination Strategies for Optimal PDT] Small Molecule Enhancers of Photodynamic Therapy for Skin Cancer	NCI
5 P01CA085878-09	0004	2011	8318544	[Parent Title: Molecular Response and Imaging-based Combination Strategies for Optimal PDT] Quantitation of Human Brain Tumor Therapy Response by MR	NCI
5 P01CA087971-09	9004	2011	8219266	[Parent Title: Brain Tumor Therapeutic Efficacy of Quantitative MR] Administrative Core	NCI
5 P01CA087971-09	9003	2011	8219265	[Parent Title: Photodynamic therapy for neoplastic diseases involving serosal surfaces] Biostatistics and Data Coordinating Core (BDCC)	NCI
5 P01CA087971-09	0008	2011	8219262	[Parent Title: Photodynamic therapy for neoplastic diseases involving serosal surfaces] PDT for NSCLC with pleural carcinomatosis	NCI
5 P01CA087971-09	0006	2011	8219260	[Parent Title: Photodynamic therapy for neoplastic diseases involving serosal surfaces] Microenvironmental Effects of PDT Combined with Targeted Molecular Therapy	NCI
5 P01CA087971-09	9002	2011	8219264	[Parent Title: Photodynamic therapy for neoplastic diseases involving serosal surfaces] Animal/Tissue Core	NCI
5 P01CA087971-09	9001	2011	8219263	[Parent Title: Photodynamic therapy for neoplastic diseases involving serosal surfaces] PDT Physics Core	NCI

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5 P01CA087971-09	0007	2011	8219261	Real-Time Optical Diagnostics of Tissue for PDT Dosimetry and Treatment Character [Parent Title: Photodynamic therapy for neoplastic diseases involving serosal surfaces]	NCI
5 P01CA087971-09	0005	2011	8219259	Enhancing Direct Tumor Cell Cytotoxicity By Manipulating Growth Factor Signaling [Parent Title: Photodynamic therapy for neoplastic diseases involving serosal surfaces]	NCI
5 P01CA087971-09	0001	2011	8219258	Optimization of Intraperitoneal PDT [Parent Title: Photodynamic therapy for neoplastic diseases involving serosal surfaces]	NCI
5 P01CA116602-05	9001	2011	8256665	Software Engineering, Treatment Planning, and QA [Parent Title: Image-Guided Adaptive Radiotherapy]	NCI
5 P01CA116602-05	9002	2011	8256666	Biostatistics, Outcomes Modeling, Clinical Design, and Administration [Parent Title: Image-Guided Adaptive Radiotherapy]	NCI
5 P01CA116602-05	0002	2011	8256662	Dose Uncertainty Management and Probabilistic Planning [Parent Title: Image-Guided Adaptive Radiotherapy]	NCI
5 P01CA116602-05	0004	2011	8256664	Four-dimensional Adaptive Thoracic Radiotherapy [Parent Title: Image-Guided Adaptive Radiotherapy]	NCI
5 P01CA116602-05	0001	2011	8256661	Deformable Image Registration and Reconstruction [Parent Title: Image-Guided Adaptive Radiotherapy]	NCI
5 P01CA116602-05	0003	2011	8256663	Image-guided IMRT and Brachytherapy for Pelvic Tumors [Parent Title: Image-Guided Adaptive Radiotherapy]	NCI
5 P01CA118816-05	0001	2011	8303476	Imaging and Tissue Biomarkers for Improved Management of Patients with Newly Diag [Parent Title: Imaging and Tissue Biomarkers in the Treatment of Brain Tumors]	NCI
5 P30CA013330-39	9028	2011	8294865	PROTOCOL REVIEW AND MONITORING SYSTEM [Parent Title: Core Support for Cancer Center]	NCI
5 P30CA013696-38	9043	2011	8270632	RADIATION RESEARCH RESOURCE [Parent Title: Cancer Center Support Grant]	NCI
5 P30CA014236-37	6433	2011	8298213	Radiochemistry [Parent Title: Duke Comp Cancer Inst. Core Support Grant]	NCI
5 P30CA014236-37	6407	2011	8298200	Radiation Oncology [Parent Title: Duke Comp Cancer Inst. Core Support Grant]	NCI
5 P30CA014236-37	6431	2011	8298211	Immunoincompetent Rodent and Biohazard Facility [Parent Title: Duke Comp Cancer Inst. Core Support Grant]	NCI
5 P30CA014236-37	6408	2011	8298201	Neuro-Oncology [Parent Title: Duke Comp Cancer Inst. Core Support Grant]	NCI
5 P30CA014599-36	0016	2011	8244539	PROGRAM 4 (CLINICAL AND EXPERIMENTAL THERAPEUTICS) [Parent Title: Cancer Center Support Grant]	NCI
5 P30CA016056-35	9006	2011	8296641	Protocol-Specific Research Support [Parent Title: Roswell Park Cancer Institute Center Support Grant]	NCI
5 P30CA016359-33	9005	2011	8312363	Shared Resources-Cesium 137 Irradiator [Parent Title: YALE COMPREHENSIVE CANCER CENTER]	NCI
5 P30CA016359-33	0008	2011	8312357	Research Programs-Radiobiology and Radiotherapy [Parent Title: YALE COMPREHENSIVE CANCER CENTER]	NCI

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5 P30CA023108-33	5670	2011	8255517	CANCER IMAGING AND RADIOBIOLOGY RESEARCH PROGRAM	NCI
5 P30CA033572-28	9033	2011	8208808	[Parent Title: Cancer Center Support Grant] Clinical Protocol Management [Parent Title: Cancer Center Support Grant]	NCI
5 P30CA056036-12	9035	2011	8302957	Protocol Specific Research Support (PSRS)	NCI
5 P30CA060553-18	9018	2011	8309432	[Parent Title: Translational Research in Cancer] clinical research office [Parent Title: The Robert H. Lurie Comprehensive Cancer Center]	NCI
5 P30CA082103-13	0020	2011	8292263	PANCREAS CANCER PROGRAM [Parent Title: Cancer Center Support Grant]	NCI
5 P30CA124435-05	6471	2011	8281612	Radiation Biology	NCI
5 P30CA142543-02	6362	2011	8305130	[Parent Title: Stanford University Cancer Center] Data and Safety Monitoring [Parent Title: Cancer Center Support Grant]	NCI
5 P50CA058236-17	0023	2011	8323090	Blockade of the Immune Checkpoint Mediated by B7-H1 in Men with Prostate Cancer [Parent Title: SPORE In Prostate Cancer]	NCI
5 P50CA062924-18	0018	2011	8319277	Career Development Program	NCI
5 P50CA062924-18	0015	2011	8319274	[Parent Title: SPORE in Gastrointestinal Cancer] Optimizing and Monitoring C.novy1 Therapy of Metastatic Colorectal Cancer [Parent Title: SPORE in Gastrointestinal Cancer]	NCI
5 P50CA070907-14	9005	2011	8290542	CA: Administration Core	NCI
5 P50CA070907-14	0010	2011	8290535	[Parent Title: University of Texas SPORE in Lung Cancer] P-2: Risk Prediction of platinum-based chemotherapy and Radiotherapy Outcome [Parent Title: University of Texas SPORE in Lung Cancer]	NCI
5 P50CA090386-08	5085	2011	8241164	P-3: Radiation Inducible TNF-a Therapy for Prostate Cancer	NCI
5 P50CA097007-09	0010	2011	8310819	[Parent Title: SPORE in Prostate Cancer] Career Development Program	NCI
5 P50CA097007-09	0007	2011	8310816	[Parent Title: M D Anderson Cancer Center Head & Neck SPORE] Predictors of Resistance Dual VEGFR/EGFR Targeted Therapy of Head and Neck Cancer	NCI
5 P50CA097186-10	0002	2011	8330637	[Parent Title: M D Anderson Cancer Center Head & Neck SPORE] P-2: The Effect of Rad on Androgen Receptor Expression and Activity in Prostate [Parent Title: The Pacific Northwest Prostate Cancer SPORE]	NCI
5 P50CA097248-09	0006	2011	8305072	Metronomic Small Molecule Inhibitor of Bcl2 in Head and Neck Cancer Therapy [Parent Title: The Molecular Basis of Head and Neck Cancer Biology, Treatment and Prevention]	NCI

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5 P50CA127001-04	9003	2011	8332728	CD: Clinical Core [Parent Title: SPORE in Brain Cancer]	NCI
5 P50CA128301-04	0001	2011	8328979	Anti-[18 F] FACBC PET-CT for Characterization of Primary Prostate Carcinoma [Parent Title: Emory Molecular and Translational Imaging Center]	NCI
5 R00CA137147-04		2011	8033262	Design and Evaluation of Hypoxia Enhanced Bombesin Analogs for Prostate Cancer	NCI
5 R01CA015523-37		2011	8064745	Therapeutic/Toxic Effects of Electron Emitting Nuclides	NCI
5 R01CA023378-30		2011	8066397	Modes of cell death initiated by photodynamic therapy	NCI
5 R01CA025836-32		2011	8081804	Radiopharmaceuticals for Breast Tumor Imaging and Therapy	NCI
5 R01CA028332-31		2011	8082795	In situ anti-tumor immunity and effects of radiation	NCI
5 R01CA031230-27		2011	8002078	Photodynamic Therapy Affects on the Tumor Microenvironment	NCI
5 R01CA042324-25		2011	8082789	Astatine And Iodine Radiolabeled Monoclonal Antibodies	NCI
5 R01CA044114-21		2011	8088152	Physiological Factors in Hyperthermia	NCI
5 R01CA064475-16		2011	8019111	RECEPTOR-TARGETED COPPER RADIOPHARMACEUTICALS FOR CANCER IMAGING AND THERAPY	NCI
5 R01CA068409-17		2011	8073508	Photophysics of Photodynamic Therapy	NCI
5 R01CA069579-14		2011	8085824	Radiation-Induced Cardiopulmonary Injury in Humans	NCI
5 R01CA076287-13		2011	8011523	Pretargeted Radioimmunotherapy of CD20+ Lymphomas	NCI
5 R01CA084354-10		2011	8015268	Genetic Determinants of Lung Cancer Survival	NCI
5 R01CA084408-11		2011	7999241	Enhancing Radiation Therapy: Vascular Targeting Agents	NCI
5 R01CA085831-09		2011	8038460	Effects of Photodynamic Therapy on Tumor Oxygenation and Blood Flow	NCI
5 R01CA089655-09		2011	8018490	Combining Anti-Angiogenesis Strategies and Radiotherapy	NCI
5 R01CA093375-10		2011	8056538	Radiopharmaceuticals based on Cross-bridged Ligands	NCI
5 R01CA094994-09		2011	8018488	Improved Tumor Radiotherapy by MORF Pretargeting	NCI
5 R01CA096915-09		2011	8067766	Nitric Oxide in Tumor Angiogenesis, Microcirculation and Radiation Therapy	NCI
5 R01CA098156-08		2011	7991870	PHOTODYNAMIC THERAPY (PDT) AND TUMOR IMMUNITY	NCI
5 R01CA100688-08		2011	8076937	The Role of Signaling Pathways in Brain Tumors in Mice	NCI
5 R01CA100835-08		2011	8013827	Accurate, High Resolution 3D Dosimetry	NCI
5 R01CA101830-06		2011	8071607	Foundations of Pretargeted Radioimmunotherapy	NCI
5 R01CA102139-07		2011	8010635	Genetically Engineered Viruses for Prostate Cancer Therapy	NCI
5 R01CA102792-09		2011	8067951	Use of Beta-lapachone for Lung Cancer Chemotherapy	NCI

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5 R01CA103904-08		2011	8129771	Multi-Criteria IMRT Optimization	NCI
5 R01CA109663-07		2011	8049757	CD45 Pretargeted Radioimmunotherapy for AML	NCI
5 R01CA112593-08		2011	8063167	PPARs and Radiation-induced Brain Injury	NCI
5 R01CA113851-05		2011	8020091	Local Radiation as an Adjuvant for Immunotherapy	NCI
5 R01CA116708-07		2011	8121653	Cath B and uPAR si RNA constructs regressed glioma growth	NCI
5 R01CA118200-05		2011	8074498	Management of Breathing effects in Radiotherapy Planning	NCI
5 R01CA119202-04		2011	8060579	Disparity in Quality of Breast Cancer Treatment and Effects on Outcomes	NCI
5 R01CA120413-04		2011	8033224	Mechanisms of radiosensitization by 2-methoxyestradiol in prostate cancer models	NCI
5 R01CA120540-05		2011	8078958	Optimized Cone-Beam CT for Image-Guided Radiation Therapy	NCI
5 R01CA122023-05		2011	8071606	Cancer therapy-induced long-term bone marrow injury	NCI
5 R01CA122568-05		2011	8052719	Ligand-Directed Tumor Targeting in Preclinical Models	NCI
5 R01CA124635-04		2011	8134255	High Throughput Screens of Novel Radiation Sensitizers and Protectors	NCI
5 R01CA124714-04		2011	8015987	Dynamic multi-organ anatomical models for hypofractionated RT design and delivery	NCI
5 R01CA124766-05		2011	8134253	Feedback Control of Respiration Induced Tumor Motion with a Treatment Couch	NCI
5 R01CA124891-04		2011	8013825	Manipulating b1 integrin to enhance radiation therapy for breast cancer	NCI
5 R01CA125021-05		2011	8051707	Role of Hypoxia in the regulation of cancer cell differentiation	NCI
5 R01CA125187-05		2011	8109343	Optimization of Bone Regeneration in the Irradiated Mandible	NCI
5 R01CA125747-09		2011	8069244	Androgenic Inactivation of FOXO1 in Prostate Cancer	NCI
5 R01CA126993-04		2011	8054170	Respiratory Motion-Reduced Cone-Beam CT Guidance of Radiotherapy in Lung & Liver	NCI
5 R01CA127369-04		2011	8035308	Multifunctional Photosensitizers for Image-guided PDT of Brain Tumors	NCI
5 R01CA127477-03		2011	8034833	Lung radioprotection by inhibition of TNF-alpha and TGF-beta1	NCI
5 R01CA127482-04		2011	8050171	Roles of TIP-1 in Cancer Radiotherapy	NCI
5 R01CA127612-04		2011	8020016	Imaging and Tissue Biomarkers in Patients with Newly Diagnosed GBM	NCI
5 R01CA127935-03		2011	7999216	Boronated nucleosides for neutron capture therapy of brain tumors	NCI
5 R01CA128873-04		2011	8077235	Effect of Bone Marrow Cells on the Radiosensitivity of Brain and Mouth Cancers	NCI
5 R01CA129326-03		2011	8076938	Subcellular/Cell Cycle Boron-Delivery Studies of Unnatural Amino Acids by SIMS	NCI
5 R01CA129339-04		2011	8018502	Rectifying defects in tumor vasculature to improve chemo- and radiation therapies	NCI
5 R01CA129553-04		2011	8088149	Monitoring Early Treatment Response of Human Primary Brain Tumors by Sodium MRI	NCI
5 R01CA129554-03		2011	8066749	Oxygen and photosensitizer levels in photodynamic therapy of head and neck tumors	NCI
5 R01CA130814-03		2011	8077861	High-Throughput Computing for a Multi-Plan Framework in Radiotherapy	NCI
5 R01CA131199-04		2011	8019496	Small Animal Image-Guided Radiotherapy	NCI

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5 R01CA131290-03		2011	8020953	Integration of EGFR Inhibitors with Radiochemotherapy in Head and Neck Cancer	NCI
5 R01CA131408-03		2011	8011473	HIF genes in head and neck cancer radiotherapy	NCI
5 R01CA132834-02		2011	8119762	Predicting Liver Function After Irradiation	NCI
5 R01CA132861-03		2011	7993596	SYNTHESES AND CELLULAR STUDIES OF NEW PHOTOSENSITIZERS FOR MEDICAL APPLICATIONS	NCI
5 R01CA132899-03		2011	8074423	Adult Neurobehavioral Late Effects of Pediatric Low Grade Brain Tumors	NCI
5 R01CA132998-03		2011	8070528	Radiation Protectors and Radiation Therapy Coupled Chemoprevention	NCI
5 R01CA133216-03		2011	8067979	Brain Irradiation Affects Neuronal Function	NCI
5 R01CA133470-04		2011	8103929	Secoisolariciresinol Diglucoside (SDB) Protection in Radiation Pheumonopathy	NCI
5 R01CA133483-03		2011	8037084	Radiation-induced brain injury and cognitive dysfunction in aging rats	NCI
5 R01CA133539-03		2011	8110080	Radiotherapy with Dose-Rate Regulated Tracking	NCI
5 R01CA134444-03		2011	8071197	Genome-Wide Study to Identify SNPs and CNPs Associated with Radiation Injury	NCI
5 R01CA134563-02		2011	8103271	Synergy of radiation and immunotherapy: new approaches	NCI
5 R01CA135089-02		2011	8068888	Focal HIFU Ablation of Prostate Cancer Using Advanced Ultrasound Guidance	NCI
5 R01CA135288-02		2011	8011343	Impact of Genomics on Disparities in Breast Cancer Radiosensitivity	NCI
5 R01CA135329-03		2011	8034843	MRI Biomarkers of Response in Cerebral Tumors	NCI
5 R01CA135358-04		2011	8072675	Targeted liposomal radiotherapy of malignant mesothelioma	NCI
5 R01CA135368-03		2011	8065893	Exploiting thermoregulatory mechanisms to improve radiation therapy of cancer	NCI
5 R01CA136639-03		2011	8076397	Bispecific Antibody Engineering for AML RIT	NCI
5 R01CA136783-02		2011	8037217	Prediction Model: Breast Cancer in Women Irradiated for a Pediatric Malignancy	NCI
5 R01CA136810-03		2011	8029548	Analysis of Redox Modulated Signaling Networks in Response to Ionizing Radiation	NCI
5 R01CA136927-03		2011	8080464	Dose painting based on hypoxia and proliferative response	NCI
5 R01CA137108-03		2011	8007395	New Stereoregular Functionalized Fullerenes as Nanomedicines for PDT	NCI
5 R01CA137207-02		2011	8124895	Translation and Evaluation of a Multiparametric Prostate Cancer 3T Exam	NCI
5 R01CA137488-17		2011	8120514	Two Compartment Models to Improve Brain Tumor Therapy	NCI
5 R01CA138239-04		2011	8135371	Human Breast Cancer Stem Cell Surrogates	NCI
5 R01CA138409-03		2011	8020098	Inhibition of matrix proteases to sensitize medulloblastoma cells to radiation	NCI
5 R01CA138426-02		2011	8063158	Dual kV/MV Imaging for Metal Artifact Reduction	NCI
5 R01CA138636-02		2011	8043619	BETR Therapy for Herpesvirus-Associated Tumors	NCI
5 R01CA138720-02		2011	8042689	Bone Marrow Transplantation for Hematologic Malignancies using Novel Radioimmunot	NCI
5 R01CA138800-02		2011	8041091	Yoga for women with breast cancer undergoing radiotherapy	NCI

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5 R01CA138986-02		2011	8121451	A Novel Dose Calculation Method for Targeted Radionuclide Therapy	NCI
5 R01CA139043-02		2011	8002060	Hypoxia and Radiotherapy: Evaluation and Mitigation in Tumors	NCI
5 R01CA140220-02		2011	8079087	Lysophospholipids in Radiation Induced Signal Transduction in Malignant Gliomas	NCI
5 R01CA140245-02		2011	8090389	Low Dose Tamoxifen in Hodgkin Lymphoma Survivors for Breast Cancer Risk Reduction	NCI
5 R01CA140341-02		2011	8097221	To quantify deformable image registration errors in IGRT	NCI
5 R01CA140413-02		2011	8106427	Online Collection of Patient-Specific Information for Daily Prostate Segmentation	NCI
5 R01CA140735-03		2011	8074574	PBeam: Fast and Easy Monte Carlo System for Proton Therapy	NCI
5 R01CA141047-02		2011	8082773	MRI of Iron-labeled Microsphere Biodistribution for Radioembolization Dosimetry	NCI
5 R01CA142642-02		2011	8045470	RAD51 inhibitors for chemotherapy and radiation therapy	NCI
5 R01CA142840-02		2011	8102846	Functional Image and Molecular Marker to Individualize Adaptive Radiation Dose Es	NCI
5 R01CA147792-02		2011	8132231	Combination therapy to inhibit neuroblastoma growth	NCI
5 R01CA148679-02		2011	8102867	Radiation-Induced Heart Disease: Mechanisms and Interventions	NCI
5 R01CA148853-02		2011	8096736	STORAGE PHOSPHOR FILM FOR RADIATION THERAPY DOSIMETRY	NCI
5 R01CA148876-02		2011	8066714	Reduced-Order Constrained Optimization for Rapid IMRT and VMAT Treatment Planning	NCI
5 R01CA149025-02		2011	8117575	Implementing a Tracking & Feedback Registry to Allay Cancer Therapy Disparities	NCI
5 R01CA149045-02		2011	8048961	Use and Outcomes of Radiation Therapy for Medicare Patients with Common Cancers	NCI
5 R01CA149614-02		2011	8011351	IMMEDIATE VS DELAYED RECONSTRUCTION AND BREAST CANCER SURGERY COMPLICATIONS	NCI
5 R01CA151372-02		2011	8110640	Nanoparticle-Directed Photothermal Ablation of Primary Brain Tumors guided by Mag	NCI
5 R01CA151395-02		2011	8081101	Intraoperative Dose Visualization using X-Ray and Ultrasound for Prostate Brachyt	NCI
5 R01CA152425-02		2011	8113991	Race, Prostate Cancer Treatment, and Treatment Decision Difficulty and Regret	NCI
5 R01CA154130-02		2011	8105417	Targeting Brain Tumor Stem Cells Through Novel Therapeutic Combinations	NCI
5 R21CA137362-02		2011	8079480	Real-time verification of proton dose delivery	NCI
5 R21CA138365-03		2011	8043666	Imaging DNA damage dynamics for diagnostics, screening and target discovery	NCI
5 R21CA138988-02		2011	8065365	Long-term Treatment Related CNS Injury in Survivors of Childhood Cancer	NCI
5 R21CA140886-02		2011	8017410	Enhancing Efficacy of Oncolytic Virotherapy with PDT	NCI
5 R21CA141724-02		2011	8049614	Targeting Tumor Hypoxia with Radiohalogenated Inhibitors of Carbonic Anhydrase IX	NCI
5 R21CA143098-02		2011	7993539	In Vivo Optical Imaging of Beta-Emitting Radionuclides using Cerenkov Radiation	NCI

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5 R21CA144190-02		2011	8091462	DCE-MRI for Assessment of Vascular Normalization by Nelfinavir in Lung Cancer	NCI
5 R21CA149978-02		2011	8085755	Fractionated, Dual-targeted radioimmunotherapy for follicular lymphoma	NCI
5 R21CA150100-02		2011	8061692	Targeting ATDC with PARP inhibitors in pancreatic cancer	NCI
5 R21CA152456-02		2011	8079475	Engineered self-destructing Salmonella as a colorectal cancer cure	NCI
5 R21CA153587-02		2011	8101156	Clinical Evaluation of Real-Time MV/kV Image Guided Prostate Radiation Therapy	NCI
5 R21CA153594-02		2011	8119595	Neoadjuvant photodynamic immunomodulation for colon cancer	NCI
5 R21CA153826-02		2011	8125083	MRI-Guided Radiotherapy and Biomarkers for Prostate Cancer	NCI
5 R25CA132822-03		2011	8133003	Cancer Nanotechnology in Imaging and Radiotherapy	NCI
5 R25CA134252-02		2011	8066464	Communication Skills Education Program for Oncology	NCI
5 R25CA134307-03		2011	8123445	Curriculum and Modules for Computer-Based Instruction of Medical Dosimetry	NCI
5 R25CA140116-02		2011	8139710	SUMMER UNDERGRADUATE PROGRAM TO EDUCATE RADIATION SCIENTISTS (SUPERS)	NCI
5 R37CA071382-13		2011	8055900	Molecular Pathogenesis of Radiation Enteropathy	NCI
5 R42CA113186-04		2011	8077881	Neuroimaging Aids for Treatment of CNS Vision Pathology	NCI
5 R44CA112852-04		2011	8082600	Ultrasound Ablation on Bone Cancer Under CT Fluoroscopy	NCI
5 R44CA119565-06		2011	8144830	Expression-Based Multi-Gene Signatures for CRC Recurrence and Chemoselection	NCI
5 R44CA124032-03		2011	7943011	Clinical and Immunologic Evaluation of ProstAtak for Prostate Cancer	NCI
5 R44CA138006-03		2011	8152225	TUMOR RADIOSENSITIZATION USING A NITRIC-OXIDE-NEUTRAL, TUNABLE OXYGEN-BINDING PRO	NCI
5 R44CA138010-03		2011	8076303	Power Source Development for Compact Proton Accelerators	NCI
5 R44CA138041-04		2011	8146128	Systemic radiotherapy for metastatic melanomas: Innovation of a novel radiopharma	NCI
5 R44CA141936-03		2011	8089554	Early Clinical Testing for Melanin Targeting Radio-therapeutic agent in melanoma	NCI
5 SC1CA138177-04		2011	8109266	Radiometal Chelates for Targeted Therapy of Melanoma	NCI
5 T32CA113267-07		2011	8133677	Training Program in Translational Radiation Oncology	NCI
5 T32CA113277-05		2011	8133329	Training in Radiation Oncology Translational Research	NCI
5 T32CA121937-04		2011	8100308	Laboratory Training Program in Radiation Oncology	NCI
5 U01CA141549-03		2011	8137147	Targeting Stoma-Tumor Co-Dependency for Glioma Therapy	NCI
5 U10CA014548-37		2011	8065449	Eastern Cooperative Oncology Group Studies	NCI
5 U10CA015488-39		2011	8100410	EASTERN COOPERATIVE ONCOLOGY GROUP	NCI

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5 U10CA020156-36		2011	8129429	Primary Breast Cancer Therapy Group	NCI
5 U10CA020319-35		2011	8044750	Southwest Oncology Group	NCI
5 U10CA021661-35		2011	8044796	Radiation Therapy Oncology Group	NCI
5 U10CA025224-32		2011	8059612	North Central Cancer Treatment Group	NCI
5 U10CA029511-32		2011	8062149	Quality Assurance Review Center	NCI
5 U10CA031946-30		2011	8065927	Cancer and Leukemia Group B	NCI
5 U10CA032291-30		2011	8073114	Cancer and Leukemia Group B	NCI
5 U10CA035281-28		2011	8143551	Northwest Community Clinical Oncology Program	NCI
5 U10CA035448-28		2011	8126355	Geisinger Clinical Oncology Program	NCI
5 U10CA037422-24		2011	8104097	Community Clinical Oncology Program	NCI
5 U10CA037447-27		2011	8103887	Cancer and Leukemia Group B CCOP Research Base	NCI
5 U10CA042777-24		2011	8050133	University of Colorado Southwest Oncology Group	NCI
5 U10CA045389-25		2011	8080497	Hematology-Oncology Associates of Central New York CCOP	NCI
5 U10CA046282-24		2011	8053718	Southwest Oncology Group	NCI
5 U10CA047559-21		2011	8080485	Cancer and Leukemia Group B	NCI
5 U10CA049957-23		2011	8073206	Eastern Cooperative Oncology Group	NCI
5 U10CA052667-21		2011	8130802	San Juan Minority - Based Community Clinical Oncology Program	NCI
5 U10CA077658-14		2011	8065506	Cancer and Leukemia Group B - The Ohio State University	NCI
5 U10CA105409-08		2011	8039139	U10 Full Member Application Affiliated with SWOG	NCI

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5 U24CA081647-13		2011	8100298	Advanced Technology QA Center	NCI
5 U24CA083105-10		2011	8089511	Penn Small Animal Imaging Resource (Penn-SAIR)	NCI
5 U54CA142157-03	8673	2011	8340187	Walking forward - American Indian Participation in Cancer Clinical Trials	NCI
5 U54CA142158-03	8597	2011	8340057	[Parent Title: Walking Forward - American Indian Participation in Cancer Clinical Trials] MS/AL RADIATION ONCOLOGY RESEARCH PARTNERSHIP	NCI
				[Parent Title: MS/AL Radiation Oncology Research Partnership]	
5 U54CA142158-03		2011	8119464	MS/AL Radiation Oncology Research Partnership	NCI
5 U54CA151652-02	8813	2011	8309347	Carbon Nanotube-based Microbeam Radiation Therapy for Human Brain Cancer	NCI
5R01CA040355-27		2011	8051624	[Parent Title: Carolina Center of Cancer Nanotechnology Excellence] Heat and Radiation Effects on Tumor Microcirculation	NCI
5R01CA047407-23		2011	8125118	Transmembrane Signal Modulation by Hyperthermia	NCI
5R01CA062130-16		2011	8067145	Role of Heat Shock Transcription Factor Hsf1 in Tumorigenesis	NCI
5R01CA077465-08		2011	8120911	Gene repression by HSF1 during hyperthermia and other stresses.	NCI
5R01CA079765-11		2011	7992438	Leukocyte-Endothelial Adhesion in Tumor Immunity	NCI
5R01CA081244-13		2011	8137066	Heat shock proteins in signaling and cancer	NCI
5R01CA083081-11		2011	8135035	Mechanisms of Cytotoxicity and Radiosensitization for Antimetabolites	NCI
5R01CA086860-10		2011	8029556	Radiation-induced lymphoid and hematopoietic toxicity	NCI
5R01CA089364-09		2011	8067152	Regulation of the Sodium/Iodide Symporter in Breast	NCI
5R01CA090881-08		2011	8072559	Radiation-induced Nitric Oxide & Cellular Radiosensitivity	NCI
5R01CA098706-08		2011	8054267	Transport of Large Molecules and Viral Vectors in Tumors: Effects of Cytotoxic an	NCI
5R01CA099326-20		2011	8077322	HSP 110 and its role in cancer therapy	NCI
5R01CA100634-09		2011	8016584	Radiovirotherapy for Multiple Myeloma	NCI
5R01CA113431-06		2011	8098238	Development of At-211-Labeled Reagents for Therapy of Metastatic Prostate Cancer	NCI
5R01CA115556-05		2011	8033688	Repression of ARE-Mediated Gene Expression	NCI
5R01CA115801-05		2011	8079690	Redox Modulation of Prostate Cancer	NCI
5R01CA119045-05		2011	8115185	Extracellular Hsp70 and hyperthermia in tumor therapy	NCI
5R01CA119927-11		2011	8082771	Mechanism of Irradiation Pulmonary Fibrosis	NCI
5R01CA125360-04		2011	8055479	Self-Assembling Immunotherapeutic Nanorings	NCI
5R01CA125482-04		2011	8074897	Cell Death Induction by High-Voltage, Nanosecond-duration Electric Pulses	NCI
5R01CA125722-04		2011	8126335	Applying nanosecond pulse electric fields to treat skin cancer	NCI
5R01CA125757-06		2011	8077954	X-ray Targeted Therapeutic Genes within Nanoparticles	NCI
5R01CA127264-03		2011	7996019	Cdk-2 Independent role of cyclin E in Cell survival	NCI
5R01CA128428-04		2011	8021010	Nanotubes in tumor imaging and therapy	NCI

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5R01CA129364-04		2011	8076180	Role of EGFR in DNA Repair and Radiation Response in Non Small Cell Lung Cancer	NCI
5R01CA133114-03		2011	7996027	The Use of 2-Deoxyglucose in Head and Neck Cancer Therapy	NCI
5R01CA133402-03		2011	8116556	NF-kB-mediated HER-2 overexpression in radioresistant breast cancer stem cells?	NCI
5R01CA134727-04		2011	8081809	Targeting EWS/FLI1-driven pathways to improve therapeutic gains in Ewing's Sarcom	NCI
5R01CA138527-02		2011	8033257	GOLD NANOCAGES AS A NEW CLASS OF THERAPEUTIC AGENTS FOR PHOTOTHERMAL CANCER TREAT	NCI
5R01CA140409-02		2011	8002086	Development of Small Molecule Radiation Sensitizers	NCI
5R01CA140554-02		2011	8076927	Multimodality approach to hepatic colorectal metastases	NCI
5R01CA140582-02		2011	8102695	Therapeutic targeting of stratifin structure and function	NCI
5R01CA141703-02		2011	8107611	OSU-03012 therapy for glioblastoma	NCI
5R01CA142823-02		2011	8115174	IR signaling through PP6, a potential molecular target for radiosensitization	NCI
5R01CA152601-02		2011	8107551	Loss of mtSIRT3, Decreased MnSOD Activity, and IR Induced Genomic Instability	NCI
5R13CA141926-03		2011	8126465	Radiation Research Society Meeting	NCI
7 R01CA093626-08		2011	8019506	4D IMRT: Stereotactic body radiotherapy for lung cancer	NCI
7 R01CA096679-07		2011	8020146	LUNG TRAJECTORY MAPPING FOR RADIATION THERAPY	NCI
7 R21CA144063-02		2011	8034312	Predicting the lung ventilation change caused by radiation therapy	NCI
N01CM62201-16-0-1		2011	8328543	Early Therapeutics Development with Phase II Emphasis	NCI
N01CM62202-13-0-1		2011	8328542	Early Therapeutics Development with Phase II Emphasis	NCI
N01CM62203-14-0-1		2011	8328541	Early Therapeutics Development with Phase II Emphasis	NCI
N01CM62204-13-0-1		2011	8328539	Early Therapeutics Development with Phase II Emphasis	NCI
N01CM62205-15-0-1		2011	8328537	Early Therapeutics Development with Phase II Emphasis	NCI
N01CM62206-12-0-1		2011	8328535	Early Therapeutics Development with Phase II Emphasis	NCI
N01CM62207-12-0-1		2011	8328533	Early Therapeutics Development with Phase II Emphasis	NCI
N01CM62208-14-0-1		2011	8257118	Early Therapeutics with Phase II Emphasis	NCI
N01CM62209-15-0-1		2011	8328531	Early Therapeutics Development with Phase II Emphasis	NCI
1 P20RR024219-01A2	7956	2011	8359559	CENTER FOR CANCER BIOLOGY RESEARCH	NCRR
				[Parent Title: Center for Cancer Biology Research]	
1 S10RR031558-01		2011	8051205	Small Animal Irradiator with Cone Beam CT	NCRR
2 P41RR002584-24	8019	2011	8363920	ADVANCED MR FOR PROBING TUMOR MICROENVIRONMENT	NCRR
				[Parent Title: Southwestern NMR Center for in Vivo Metabolism]	
2 P41RR002584-24	7996	2011	8363897	PROGNOSTIC RADIOLOGY AND THE PATHOPHYSIOLOGY OF TUMORS	NCRR
				[Parent Title: Southwestern NMR Center for in Vivo Metabolism]	
5 M01RR000188-47	6688	2011	8356747	CLINICAL TRIAL: A PHASE II TRIAL OF CAPECITABINE RAPIDLY DISINTEGRATING TABLETS	NCRR
				[Parent Title: General Clinical Research Center]	
5 M01RR000188-47	6617	2011	8356676	CLINICAL TRIAL: A PHASE I TRIAL OF CAPECITABINE RAPIDLY DISINTEGRATING TABLETS	NCRR
				[Parent Title: General Clinical Research Center]	
5 P20RR016480-11	8154	2011	8359759	PHOTON UPCONVERTING NANOPARTICLES AS PHOTSENSITIZING AGENTS FROM BREAST CANCER	NCRR
				[Parent Title: New Mexico IDeA Networks of Biomedical Research Excellence (INBRE) [P20]]	

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5 P41RR001192-32	6830	2011	8362711	INCREASING DRUG DELIVERY INTO TUMORS	NCRR
5 P41RR001192-32	6801	2011	8362682	[Parent Title: A Laser Microbeam Biotechnology Resource] HYPEROXIC RESPIRATORY CHALLENGES TO MONITOR CHEMOTHERAPY EFFECTS	NCRR
5 P41RR001192-32	6797	2011	8362678	[Parent Title: A Laser Microbeam Biotechnology Resource] MODULATED IMAGING OF RAT GLIOMA	NCRR
5 P41RR001192-32	6719	2011	8362600	[Parent Title: A Laser Microbeam Biotechnology Resource] EFFECTS OF PDT & GAMMA RADIATION ON HUMAN GLIOMA SPHEROIDS	NCRR
5 P41RR001192-32	6716	2011	8362597	[Parent Title: A Laser Microbeam Biotechnology Resource] ODT MONITORING INTRATUMORAL BLOOD FLOW DURING PHOTODYNAMIC THERAPY(PDT)	NCRR
5 P41RR005959-22	7304	2011	8363197	[Parent Title: A Laser Microbeam Biotechnology Resource] EVALUATE CDK4/6 INHIBITOR PD0332991 ALONE/WITH RADIATION IN DIPG MOUSE MODEL	NCRR
5 P41RR009784-17	7020	2011	8362910	[Parent Title: Integrated Center for InVivo Microscopy] HYPERPOLARIZED 13C MRSI FOR THERAPEUTIC RESPONSE MONITORING OF PROSTATE CANCER	NCRR
5 P51RR000163-52	7413	2011	8357745	[Parent Title: Center for Advanced Magnetic Resonance Technology at Stanford] PRE-CLINICAL TRIALS FOR FEMALE FERTILITY PRESERVATION	NCRR
1 P01HL098050-01A1	7502	2011	8114298	[Parent Title: SUPPORT FOR NATIONAL PRIMATE RESEARCH CENTER] Sphingolipids as a Novel Therapy for Radiation Lung Injury	NHLBI
				[Parent Title: Role of Sphingolipids in the Pathobiology of Lung Injury]	
1 R01HL105643-01		2011	8025083	Early Detection of Changes in Pulmonary Gas Exchange by Hyperpolarized Xe MRI	NHLBI
2 T35HL074708-06		2011	8013368	Training Students in Biomedical Research in Hematology	NHLBI
5 K23HL084054-05		2011	8013319	Improving Allogenic Transplant Outcomes in Myeloid Malignancies	NHLBI
5 P01HL075462-07	8340	2011	8269982	TLI and ATG Conditioning for Combined Kidney and Blood Stem Cell Transplantation	NHLBI
				[Parent Title: Blood Stem Cell Transplantation as Immunotherapy]	
5 R01HL086998-04		2011	8133475	Endothelial Progenitor Cell Transplant to Accelerate Hematopoietic Recovery	NHLBI
5 R01HL098489-02		2011	8015603	Development of safe and efficient gene therapy strategies for hemoglobinopathies	NHLBI
5 U19AI068021-07	6542	2011	8317585	Pilot Project's Core	NIAID
5 U19AI091036-02	6477	2011	8307018	[Parent Title: Mitochondrial Target for Radiation Mitigation] Mitigation of Brain Inflammation and Cognitive Impairment after Radiation Injury	NIAID
5 U19AI091173-02	6785	2011	8310084	[Parent Title: University of Rochester Center for Medical Countermeasures against Radiation] In vivo irradiations with patients undergoing radiation therapy: dana farber canc	NIAID
				[Parent Title: Physically-Based Biodosimetry for Triage After a Large Radiation Incident]	
1 R03EB013792-01		2011	8177424	Joint Segmentation of MR and CT scans for Gynecologic Cancer Brachytherapy	NIBIB
1 R15EB012299-01A1		2011	8101632	Artifact-Free Reconstruction of Medical Imaging Information	NIBIB
1 R21EB012700-01A1		2011	8113599	Scatter Correction for Cone-Beam CT to Improve Radiation Therapy Treatments	NIBIB
2 R01EB001994-12		2011	8105754	Imaging Based Dosimetry for Individualized Internal Emitter Therapy	NIBIB
5 R01EB009699-02		2011	8102794	Four Dimensional Cone Beam CT for Image-guided Radiation Therapy	NIBIB
5 U54EB005149-07	6009	2011	8298064	Core 2c Head and Neck Cancer - Driving Biological Project	NIBIB
5 RL1HD058293-05		2011	8105450	[Parent Title: National Alliance for Medical Image Computing (NAMIC)] RO1A: Novel Methods for Cryopreservation and Recovery of Human Follicles (2/10)	NICHHD
5 RL1HD058294-05		2011	8097317	RO1B: Bioengineering Primate Follicles: From Immature Eggs to Live Births (3/10)	NICHHD
5 R03DA031088-02		2011	8089367	Luciferase-based screening for p53 conformational activators	NIDA
1 R21DC011713-01		2011	8127585	PKC delta and cell renewal in irradiated taste epithelium	NIDCD

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1 ZIADC000016-18		2011		NF-KappaB in pathogenesis and therapy of head and neck cancer	NIDCD
1 R21DE021167-01A1		2011	8153720	A Novel Therapy for Radiation-Induced Xerostomia Using Human Salivary Stem Cells	NIDCR
5 R01DE018888-04		2011	8111787	Mechanisms of IGF-1 mediated rescue of radiation-induced salivary gland dysfuncti	NIDCR
5 R01DE019141-03		2011	8134289	Adherence to Swallowing Rehabilitation Exercises in Head and Neck Cancer	NIDCR
5 R01DE021462-02		2011	8137961	Understanding the mechanism of radiotherapy-induced dentition breakdown	NIDCR
1 R21ES020521-01		2011	8181128	IDENTIFICATION OF RADIATION SENSITIVITY ALLELES BY WHOLE EXOME SEQUENCING	NIEHS
5 R03MH092170-02		2011	8110611	Discovering Nrf2 inhibitors to enhance cancer chemotherapy and radiotherapy	NIMH
1 F32NS074744-01		2011	8126802	The Notch signaling pathway in glioblastoma	NINDS
1 K08NS076548-01		2011	8224208	Targeted Modulation of the Death Receptor as a Therapeutic Strategy for Glioma	NINDS
1 R01NS074388-01		2011	8111316	Rescuing radiation-induced cognitive deficits through cranial transplantation of	NINDS
5 F31NS064634-03		2011	8115040	Id2 enhances radiation resistance in glioma and is regulated by p53.	NINDS
5 P50NS020023-28	8626	2011	8235930	TRANSLATIONAL CLINICAL TRIALS FOR PRIMARY CNS TUMORS	NINDS
5 P50NS020023-28	8624	2011	8235928	[Parent Title: SRC on Primary Tumors of the CNS] TARGETED RADIOTHERAPY OF BRAIN TUMORE USING MODULAR RECOMBINANT	NINDS
5 R01NS054009-05		2011	8064366	[Parent Title: SRC on Primary Tumors of the CNS] CNS Radiation Injury: Regeneration via Human ES Cells	NINDS
5 R01NS056218-06		2011	8013522	Effects of Radiation on Brain Microvasculature and Cognition	NINDS
5 R01NS060752-03		2011	8123111	Novel Tools for Evaluation and Prediction of Radiotherapy Response in Individual	NINDS
5 R01NS061835-04		2011	8019487	Regression of meningioma tumor growth by combination therapy	NINDS
5 R01NS064535-03		2011	8132229	Combination therapy to inhibit glioma growth by Ad MMP2 and radiation	NINDS
5 R01NS064973-03		2011	8071504	Functional Imaging as a Biomaker for Neurotoxicity After Brain Irradiation	NINDS
1 ZIANR000019-02		2011	8350033	INVESTIGATING MOLECULAR-GENETIC CORRELATES OF FATIGUE	NINR
1 ZIANR000020-01		2011	8350034	INVESTIGATING CORRELATES OF FATIGUE IN CANCER PATIENTS RECEIVING TREATMENT	NINR
5 R01NR011322-03		2011	8124981	EVALUATION OF CARDIOVASCULAR OUTCOMES AMONG CHILDHOOD CANCER SURVIVORS	NINR

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1 R01CA154562-01A1		2012	8237404	Image-guided treatment planning for pleural Photodynamic Therapy	NCI
1 R01CA155198-01A1		2012	8295054	Design of MEK Inhibitor Regimens for the Treatment of Pancreatic Cancer	NCI
1 R01CA155293-01A1		2012	8293574	Modulation of Radiation-induced Brain Injury in the Nonhuman Primate	NCI
1 R01CA157838-01A1		2012	8237845	Longitudinal Cardiotoxicity in Adult Survivors Childhood Cancer	NCI
1 R01CA158179-01A1		2012	8237931	Complement, anti-tumor immunity and apoptosis-based therapy	NCI
1 R01CA158367-01A1		2012	8297312	Re-setting the Endothelial Ceramide Rheostat	NCI
1 R01CA158415-01A1		2012	8238894	Heterocellular 3D ovarian tumor arrays for imaging and mechanistic combinations	NCI
1 R01CA160289-01A1		2012	8239143	Gene Therapy and Radiation Therapy for Prostate Cancer	NCI
1 R01CA160880-01A1		2012	8296964	Community-Based, Phase III Trial of acupuncture to treat chronic Xerostomia	NCI
1 R01CA161280-01A1		2012	8239137	Renally Excreted Multimodal Core-Shell Silica Nanoparticles as Tumor-Selective Ra	NCI
1 R01CA161585-01A1		2012	8302668	Targeting Galectin-1 with radiation in lung cancer	NCI
1 R03CA166860-01		2012	8279558	PhScN as a Potent Agent for Use with Radiation in Pancreatic Cancer	NCI
1 R21CA159002-01A1		2012	8242588	Peptide-targeted alpha-particle emitting phage for ovarian cancer therapy.	NCI
1 R21CA164740-01		2012	8227532	Analysis of lung cancer stem cell radioresistance	NCI
2 R01CA098575-07A1		2012	8238838	Radiation Biology of EPR Oxygen Images	NCI
3 U10CA020156-36S1		2012	8413459	Primary Breast Cancer Therapy Group	NCI
4 R01CA138784-03		2012	8193068	Local Radionuclide Delivery to Solid Tumors by Injectable Biopolymer	NCI
5 F31CA144812-03		2012	8197147	Radiosensitization of Breast Cancer Cells by Vitamin D3 and Vitamin D Analogs	NCI
5 P01CA078902-14	8824	2012	8377106	Allogeneic HCT for Hematologic Malignancies: Immune Manipulations	NCI
5 P01CA078902-14	8822	2012	8377102	[Parent Title: Mixed Hematopoietic Chimerism After Stem Cell Allografts] Establishing Mixed Hematopoietic Chimerism in a Canine Model	NCI
				[Parent Title: Mixed Hematopoietic Chimerism After Stem Cell Allografts]	
5 P01CA084203-09	7851	2012	8374935	Mechanism-Based Design of Combination Therapies for Pancreatic Cancer	NCI
				[Parent Title: Molecular Response and Imaging-based Combination Strategies for Optimal PDT]	
5 P01CA084203-09	7850	2012	8374933	Clinical Photodynamic Therapy for Pancreatic and Biliary Tract Cancer	NCI
				[Parent Title: Molecular Response and Imaging-based Combination Strategies for Optimal PDT]	
5 P01CA084203-09	7847	2012	8374931	Small Molecule Enhancers of Photodynamic Therapy for Skin Cancer	NCI
				[Parent Title: Molecular Response and Imaging-based Combination Strategies for Optimal PDT]	

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5 P30CA014236-38	6431	2012	8379551	Immunoincompetent Rodent and Biohazard Facility [Parent Title: Duke Comp Cancer Inst. Core Support Grant]	NCI
5 P30CA014236-38	6433	2012	8379554	Radiochemistry [Parent Title: Duke Comp Cancer Inst. Core Support Grant]	NCI
5 P30CA014236-38	6407	2012	8379532	Radiation Oncology [Parent Title: Duke Comp Cancer Inst. Core Support Grant]	NCI
5 P30CA014236-38	6408	2012	8379534	Neuro-Oncology [Parent Title: Duke Comp Cancer Inst. Core Support Grant]	NCI
5 P30CA014599-37	0016	2012	8375695	PROGRAM 4 (CLINICAL AND EXPERIMENTAL THERAPEUTICS) [Parent Title: Cancer Center Support Grant]	NCI
5 P30CA016086-36	8692	2012	8376333	Clinical Research [Parent Title: Cancer Center Core Support Grant]	NCI
5 P30CA022453-30	5650	2012	8380975	Biostatistics [Parent Title: CANCER CENTER SUPPORT GRANT]	NCI
5 P30CA033572-29	9033	2012	8374907	Clinical Protocol Management [Parent Title: Cancer Center Support Grant]	NCI
5 P50CA090386-09	5085	2012	8375657	P-3: Radiation Inducible TNF-a Therapy for Prostate Cancer [Parent Title: SPORE in Prostate Cancer]	NCI
5 R01CA015523-38		2012	8253759	Therapeutic/Toxic Effects of Electron Emitting Nuclides	NCI
5 R01CA023378-31		2012	8249330	Modes of cell death initiated by photodynamic therapy	NCI
5 R01CA028332-32		2012	8249331	In situ anti-tumor immunity and effects of radiation	NCI
5 R01CA042324-26		2012	8255592	Astatine And Iodine Radiolabeled Monoclonal Antibodies	NCI
5 R01CA076287-14		2012	8205035	Pretargeted Radioimmunotherapy of CD20+ Lymphomas	NCI
5 R01CA084408-12		2012	8204588	Enhancing Radiation Therapy: Vascular Targeting Agents	NCI
5 R01CA085831-10		2012	8228102	Effects of Photodynamic Therapy on Tumor Oxygenation and Blood Flow	NCI
5 R01CA089655-10		2012	8206850	Combining Anti-Angiogenesis Strategies and Radiotherapy	NCI
5 R01CA093626-09		2012	8205647	4D IMRT: Stereotactic body radiotherapy for lung cancer	NCI
5 R01CA096679-08		2012	8289339	LUNG TRAJECTORY MAPPING FOR RADIATION THERAPY	NCI
5 R01CA098156-09		2012	8197158	PHOTODYNAMIC THERAPY (PDT) AND TUMOR IMMUNITY	NCI
5 R01CA100688-09		2012	8258647	The Role of Signaling Pathways in Brain Tumors in Mice	NCI
5 R01CA100835-09		2012	8209275	Accurate, High Resolution 3D Dosimetry	NCI
5 R01CA101830-07		2012	8223230	Foundations of Pretargeted Radioimmunotherapy	NCI
5 R01CA102139-08		2012	8197457	Genetically Engineered Viruses for Prostate Cancer Therapy	NCI
5 R01CA102792-10		2012	8253732	Use of Beta-lapachone for Lung Cancer Chemotherapy	NCI
5 R01CA109663-08		2012	8212490	CD45 Pretargeted Radioimmunotherapy for AML	NCI
5 R01CA111590-06		2012	8284314	Four-dimensional Monte Carlo dose calculation	NCI
5 R01CA112593-09		2012	8253512	PPARs and Radiation-induced Brain Injury	NCI

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5 R01CA116708-08		2012	8265704	Cath B and uPAR si RNA constructs regressed glioma growth	NCI
5 R01CA120413-05		2012	8220798	Mechanisms of radiosensitization by 2-methoxyestradiol in prostate cancer models	NCI
5 R01CA122794-07		2012	8332284	In vivo analysis of EGFR mutant driven lung cancers responses to radiation therap	NCI
5 R01CA124891-05		2012	8204972	Manipulating b1 integrin to enhance radiation therapy for breast cancer	NCI
5 R01CA126993-05		2012	8255341	Respiratory Motion-Reduced Cone-Beam CT Guidance of Radiotherapy in Lung & Liver	NCI
5 R01CA127369-05		2012	8211748	Multifunctional Photosensitizers for Image-guided PDT of Brain Tumors	NCI
5 R01CA127477-04		2012	8231479	Lung radioprotection by inhibition of TNF-alpha and TGF-beta1	NCI
5 R01CA127612-05		2012	8264489	Imaging and Tissue Biomarkers in Patients with Newly Diagnosed GBM	NCI
5 R01CA127716-05		2012	8197918	Epigenetic regulation of temozolomide responsiveness in glioblastoma	NCI
5 R01CA127935-04		2012	8196856	Boronated nucleosides for neutron capture therapy of brain tumors	NCI
5 R01CA129182-04		2012	8257870	Atlases to Report and Correlate Radiotherapy Dose Distributions with Outcomes	NCI
5 R01CA129339-05		2012	8212118	Rectifying defects in tumor vasculature to improve chemo- and radiation therapies	NCI
5 R01CA131199-05		2012	8212364	Small Animal Image-Guided Radiotherapy	NCI
5 R01CA131290-04		2012	8217183	Integration of EGFR Inhibitors with Radiochemotherapy in Head and Neck Cancer	NCI
5 R01CA132861-04		2012	8197646	SYNTHESES AND CELLULAR STUDIES OF NEW PHOTSENSITIZERS FOR MEDICAL APPLICATIONS	NCI
5 R01CA132998-04		2012	8245173	Radiation Protectors and Radiation Therapy Coupled Chemoprevention	NCI
5 R01CA133216-04		2012	8256616	Brain Irradiation Affects Neuronal Function	NCI
5 R01CA133483-04		2012	8230728	Radiation-induced brain injury and cognitive dysfunction in aging rats	NCI
5 R01CA134563-03		2012	8197934	Synergy of radiation and immunotherapy: new approaches	NCI
5 R01CA135089-03		2012	8231444	Focal HIFU Ablation of Prostate Cancer Using Advanced Ultrasound Guidance	NCI
5 R01CA135288-03		2012	8218049	Impact of Genomics on Disparities in Breast Cancer Radiosensitivity	NCI
5 R01CA135329-04		2012	8210883	MRI Biomarkers of Response in Cerebral Tumors	NCI
5 R01CA135368-04		2012	8223253	Exploiting thermoregulatory mechanisms to improve radiation therapy of cancer	NCI
5 R01CA136783-03		2012	8210899	Prediction Model: Breast Cancer in Women Irradiated for a Pediatric Malignancy	NCI
5 R01CA136810-04		2012	8264375	Analysis of Redox Modulated Signaling Networks in Response to Ionizing Radiation	NCI
5 R01CA137108-04		2012	8204735	New Stereoregular Functionalized Fullerenes as Nanomedicines for PDT	NCI
5 R01CA138409-04		2012	8211080	Inhibition of matrix proteases to sensitize medulloblastoma cells to radiation	NCI
5 R01CA138426-03		2012	8214600	Dual kV/MV Imaging for Metal Artifact Reduction	NCI
5 R01CA138636-03		2012	8233508	BETR Therapy for Herpesvirus-Associated Tumors	NCI
5 R01CA138720-03		2012	8209292	Bone Marrow Transplantation for Hematologic Malignancies using Novel Radioimmunot	NCI
5 R01CA138800-03		2012	8298581	Yoga for women with breast cancer undergoing radiotherapy	NCI

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5 R01CA139043-03		2012	8204951	Hypoxia and Radiotherapy: Evaluation and Mitigation in Tumors	NCI
5 R01CA140220-03		2012	8230628	Lysophospholipids in Radiation Induced Signal Transduction in Malignant Gliomas	NCI
5 R01CA140413-03		2012	8212389	Online Collection of Patient-Specific Information for Daily Prostate Segmentation	NCI
5 R01CA141047-03		2012	8256631	MRI of Iron-labeled Microsphere Biodistribution for Radioembolization Dosimetry	NCI
5 R01CA142642-03		2012	8213676	RAD51 inhibitors for chemotherapy and radiation therapy	NCI
5 R01CA143428-02		2012	8206511	Rel B mediated-redox regulation of radiation therapy	NCI
5 R01CA147792-03		2012	8232115	Combination therapy to inhibit neuroblastoma growth	NCI
5 R01CA148679-03		2012	8256609	Radiation-Induced Heart Disease: Mechanisms and Interventions	NCI
5 R01CA148707-02		2012	8230482	Placebo Controlled Trial Of Acupuncture To Prevent Radiation-Induced Xerostomia	NCI
5 R01CA148876-03		2012	8234172	Reduced-Order Constrained Optimization for Rapid IMRT and VMAT Treatment Planning	NCI
5 R01CA149305-02		2012	8249379	Quantitative dual-energy CT imaging for radiation therapy treatment planning	NCI
5 R01CA149614-03		2012	8214515	IMMEDIATE VS DELAYED RECONSTRUCTION AND BREAST CANCER SURGERY COMPLICATIONS	NCI
5 R01CA150226-02		2012	8233976	Role of beta-endorphin in cancer therapy induced fatigue	NCI
5 R01CA151395-03		2012	8257148	Intraoperative Dose Visualization using X-Ray and Ultrasound for Prostate Brachyt	NCI
5 R01CA154130-03		2012	8207259	Targeting Brain Tumor Stem Cells Through Novel Therapeutic Combinations	NCI
5 R01CA154471-02		2012	8250355	Targeting SYK Tyrosine Kinase to Overcome Radiation Resistance in ALL	NCI
5 R01CA154561-02		2012	8265566	Pretherapy 124I-MIBG Dosimetry for Planning 131I-MIBG Neuroblastoma Therapy	NCI
5 R01CA154747-02		2012	8264781	Low dose cone beam CT for image guided adaptive radiotherapy	NCI
5 R01CA156177-02		2012	8209171	Targeted Photoactivable Nanocells: Image-based Drug Delivery and Dosimetry in GBM	NCI
5 R03CA159530-02		2012	8265836	Developing a Skin Toxicity-Related Quality of Life Scale for Breast Radiotherapy	NCI
5 R21CA156037-02		2012	8233290	Novel Combination Therapy Against Pancreatic Cancer	NCI
5 R21CA156088-02		2012	8207913	Targeted therapy of pancreatic cancer with in vivo radionuclide generator	NCI
5 R37CA071382-14		2012	8235062	Molecular Pathogenesis of Radiation Enteropathy	NCI
5 R44CA124032-04		2012	8240108	Clinical and Immunologic Evaluation of ProstAtak for Prostate Cancer	NCI
5 R44CA130225-03		2012	8248200	Infrared & X-ray Nanogold Therapy of Head & Neck Cancers	NCI
5 R44CA138006-04		2012	8272682	TUMOR RADIOSENSITIZATION USING A NITRIC-OXIDE-NEUTRAL, TUNABLE OXYGEN-BINDING PRO	NCI
5 R44CA150281-03		2012	8206805	A compact dose delivery system for proton radiation therapy	NCI
5 U10CA010953-44		2012	8245007	Radiological Physics Center	NCI
5 U10CA011488-42		2012	8248996	EORTC HEADQUARTERS	NCI
5 U10CA020319-36		2012	8212560	Southwest Oncology Group	NCI
5 U10CA025224-33		2012	8215828	North Central Cancer Treatment Group	NCI

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Project Number	Subproject ID	FY	Appl ID	Project Title	IC
5 U10CA029511-33		2012	8212493	Quality Assurance Review Center	NCI
5 U10CA031946-31		2012	8256625	Cancer and Leukemia Group B	NCI
5 U10CA046282-25		2012	8230707	Southwest Oncology Group	NCI
5 U10CA047559-22		2012	8250031	Cancer and Leukemia Group B	NCI
5 U10CA105409-09		2012	8214704	U10 Full Member Application Affiliated with SWOG	NCI
5R01CA149461-02		2012	8206502	Molecular mechanisms of GBM radioresistance and strategies for radiosensitization	NCI
5R01CA152313-02		2012	8255464	Target MKP-1 for Therapy-Resistant Breast Cancer Stem Cells	NCI
5R01CA155446-02		2012	8334570	Radiation response modulation of tumors using bioconjugated gold nanoparticles	NCI
5R01CA156744-02		2012	8263962	Mechanistic validation of SCF E3 ligase as a cancer and radiosensitizing target	NCI
5R01CA157490-02		2012	8286848	Investigating the Role of Autophagy in Pancreatic Cancer Radiation Resistance	NCI
5R01CA168484-02		2012	8338880	Markers and therapeutic strategies for overcoming chemoradiotherapy resistance	NCI
5R21CA152555-02		2012	8236877	Reduced Temperature Thermal Ablation for HCC and other Liver Tumors	NCI
5R21CA156078-02		2012	8206653	Fiberoptic Microneedle Device for Nanoparticle-Enhanced Photothermal Therapy of A	NCI
5R21CA156995-02		2012	8206662	Targeting invasion and DNA DSB repair in glioma with a multi-pronged approach.	NCI
7 R01CA064475-17		2012	8207274	RECEPTOR-TARGETED COPPER RADIOPHARMACEUTICALS FOR CANCER IMAGING AND THERAPY	NCI
7 R01CA131408-04		2012	8205026	HIF genes in head and neck cancer radiotherapy	NCI
7 U10CA076001-16		2012	8253693	ACOSOG Competing Renewal	NCI
5 R01HL105643-02		2012	8214524	Early Detection of Changes in Pulmonary Gas Exchange by Hyperpolarized Xe MRI	NHLBI
5 T35HL074708-07		2012	8263760	Training Students in Biomedical Research in Hematology	NHLBI
5 R21DC011713-02		2012	8247699	PKC delta and cell renewal in irradiated taste epithelium	NIDCD
5 R21ES019769-02		2012	8204661	Genetic Defects in a Novel Radiation Sensitive Syndrome	NIEHS
5 P50NS020023-29	8626	2012	8376993	TRANSLATIONAL CLINICAL TRIALS FOR PRIMARY CNS TUMORS	NINDS
5 P50NS020023-29	8624	2012	8376989	[Parent Title: SRC on Primary Tumors of the CNS] TARGETED RADIOTHERAPY OF BRAIN TUMORE USING MODULAR RECOMBINANT	NINDS
5 P50NS020023-29		2012	8235934	[Parent Title: SRC on Primary Tumors of the CNS] SRC on Primary Tumors of the CNS	NINDS
5 R01NS061835-05		2012	8213742	Regression of meningioma tumor growth by combination therapy	NINDS
5 R01NS074388-02		2012	8212356	Rescuing radiation-induced cognitive deficits through cranial transplantation of	NINDS