

Online Supplement of Requests for Applications, Program Announcements, and Associated Breast Cancer Projects

Index of RFA and PA Initiatives with Breast Cancer-Relevant Projects¹	Page
<i>Academic Research Enhancement Award²</i>	4
<i>Advanced Technology Radiation Therapy Clinical Trials Support</i>	4
Aging Women and Breast Cancer	4
Applications of Innovative Technologies for the Molecular Analysis of Cancer.....	4
Basic Biobehavioral Research on Cancer-Related Behaviors.....	5
Bioengineering Research Grants.....	5
Bioengineering Research Partnerships	5
Breast Cancer and the Environment Research Centers.....	5
Breast Cancer Surveillance Consortium (BCSC) Expansion.....	6
Cancer Drug Discovery: Diversity Generation and Smart Assays.....	6
Cancer Genetics Network (CGN).....	6
Cancer Intervention and Surveillance Modeling Network (CISNET)	6
<i>Cancer Prevention Research Units</i>	7
Cancer Prognosis and Prediction	7
Cancer Research Network across Health Care Systems	7
Cancer Research Small Grant Program	7
Cancer Studies on Breast, Prostate, Ovarian, and Cervical Cancer	8
Cancer Surveillance Using Health Claims-Based Data System	8
Cancer Survivorship Studies in Established Epidemiologic Cohorts.....	8
<i>Cancer Therapy with Biological Response Modifiers</i>	9
Cancer Therapy-Related Use of Genetically Engineered Mice	9
<i>Centers for Mind/Body Interactions and Health</i>	9
<i>Centers for Population Health and Health Disparities</i>	9
Centers of Excellence in Cancer Communications Research	9
Chemoprevention in Genetically-Identified High-Risk Groups: Interactive Research and Development Projects.....	9
Chemoprevention of Estrogen Receptor-Negative Breast Cancer Preclinical Studies	9
Clinical Cancer Therapy Research	10
<i>Clinical Epidemiologic Studies in Hereditary Breast/Ovarian Cancer</i>	10
<i>Clinical/Metabolic Studies in Nutrition and Breast Cancer Prevention</i>	10
Clinical Trials Cooperative Group Program	10
Cohort Studies in Cancer Epidemiology	11
<i>Collaborative Cancer Prevention Research Units</i>	11
Community Clinical Oncology Program (CCOP)	11
Cooperative Breast Cancer Tissue Resource.....	12
<i>Cooperative Family Registry for Epidemiologic Studies of Breast Cancer</i>	13
<i>Cooperative Grants for Nutritional Modulation of Genetic Pathways Leading to Cancer</i>	13
<i>Cooperative Group for Breast and Colo-Rectal Cancer Clinical Trials</i>	13
Cooperative Human Tissue Network	13
Cooperative Planning Grant for Cancer Disparities Research Partnership.....	13
Correlative Studies Using Specimens from Multi-Institutional Treatment Trials.....	14
Development and Application of Imaging in Therapeutic Studies	14
Development of Digital Mammography Displays and Workstations	14
Development of Novel Technologies for In Vivo Imaging	14
Developmental/Pilot Projects in Cancer Complementary and Alternative Medicine (CAM).....	15
Diet, Lifestyle, and Cancer in U.S. Special Populations	15
<i>Dietary Exposure to and Effects of Plant Food Constituents</i>	15

¹ Projects listed in the tables were active at some time between 1998 and 2003 with a significant emphasis on breast cancer research.

² RFAs and PAs written in italics are not directly referenced in the Breast Cancer Progress Report. Most of these were issued before the release of the Breast Cancer PRG Report in 1998.

Director’s Challenge: Toward a Molecular Classification of Tumors	15
Early Detection Research Network (EDRN)	16
<i>Early Therapeutics Development with Phase 2 Emphasis</i>	16
Economic Studies in Cancer Prevention, Screening, and Care	16
Endocrine Disruptors: Epidemiologic Approaches.....	16
Exploratory Grants for Behavioral Research in Cancer Control	16
Exploratory Grants for Correlative Laboratory Studies and Clinical Trials	17
Exploratory Studies in Cancer Detection, Prognosis & Prediction.....	17
Exploratory/Developmental Grants for Diagnostic Cancer Imaging	18
<i>Exposure Assessment Methods for Cancer Research</i>	19
<i>Federal Technology Transfer Program in Digital Mammography</i>	19
Flexible System to Advance Innovative Research for Cancer Drug Discovery by Small Businesses (FLAIR).....	19
Geographic-Based Research in Cancer Control and Epidemiology.....	19
Health Communications in Cancer Control.....	20
<i>Human Metabolic Studies of Modification of Dietary Fatty Acid Intake for Prevention of Breast, Prostate, and Colon Cancer</i>	20
<i>Immunologic Recognition and Control of Tumors</i>	20
<i>Improved Technologies for Production of Full-Length Human cDNA</i>	20
Improving DNA, RNA, and Protein Availability in Fixed Tissue	20
<i>Informed Consent in Research Involving Human Participants</i>	20
Informatics Support for Breast and Colon Cancer Cooperative Family Registries.....	20
<i>Innovations in Biomedical Information Science and Technology</i>	21
<i>Innovative Approaches to Disease Prevention through Behavior Change</i>	21
Innovative Technologies for the Molecular Analysis of Cancer	21
Insight Awards to Stamp Out Breast Cancer	22
<i>Interactive Research Project Grants for Nutrition and Cancer Prevention</i>	23
<i>Interdisciplinary Collaborative Studies in the Genetic Epidemiology of Cancer</i>	23
Interdisciplinary Research Teams for Molecular Target Assessment	23
Interdisciplinary Studies in the Genetic Epidemiology of Cancer	23
<i>Investigator Grants for Clinical Cancer Therapy Research</i>	23
<i>Investigator-Initiated Interactive Research Project Grants</i>	24
In-vivo Cellular and Molecular Imaging Centers (ICMICs) and Pre-ICMICs.....	24
Long-Term Cancer Survivors.....	24
<i>Magnetic Resonance Spectroscopy and Cancer Treatment</i>	24
Management of Symptoms Secondary to Treatment	25
<i>Mechanisms of Genomic Instability from the Exposure of Mammalian Cells to High-LET Ionizing Radiation</i>	25
<i>Minority Enhancement Awards</i>	25
Minority Institution/Cancer Center Partnership Program (MI/CCP) and Planning Grants	25
Minority-Based Community Clinical Oncology Program (MBCCOP).....	26
Molecular and Cellular Biology of Metastatic Tumor Cells	26
Molecular Interactions between Tumor Cells and Bone	26
Molecular Target Drug Discovery for Cancer.....	27
Mouse Models of Human Cancer Consortium.....	27
Multidisciplinary Research on the Etiology and Prevention of Breast Cancer.....	27
<i>Multi-institutional Cooperative Agreements for Clinical Evaluation of Magnetic Resonance Imaging in Breast Cancer</i>	28
National Cooperative Drug Discovery Groups (NCDDGs)	28
<i>Network for Translational Research: Optical Imaging</i>	28
<i>New Therapeutic Approaches for Breast Cancer</i>	28
Non-mammalian Organisms as Models for Anticancer Drug Discovery.....	28
<i>Novel Technologies for Evaluation of Molecular Alterations in Tissue</i>	28
<i>Overcoming Barriers to Treatment Adherence in Minorities and Persons Living in Poverty</i>	29
<i>Phase I Trials of Anti-cancer Agents</i>	29
<i>Phase II Trials of New Anti-cancer Agents</i>	29
<i>Pivotal Clinical Trials for Chemoprevention Agent Development</i>	29

<i>Prevention Clinical Trials Utilizing Intermediate Endpoints and Their Modulation by Chemopreventive Agents</i>	29
Quick Trials for Novel Cancer Therapies	29
Regional Variation in Breast Cancer Rates in the U.S.	30
Research on Care at the End of Life.....	30
Shared Resources for Scientists Outside NCI Cancer Centers.....	30
Small Grants for Therapeutic Clinical Trials of Malignancies	30
Small Grants Program for Behavioral Research in Cancer Control.....	31
Small Grants Program for Cancer Epidemiology	31
Special Populations Networks (SPNs).....	33
Specialized Programs of Research Excellence (SPOREs) in Breast Cancer	33
Stages of Breast Development: Normal to Metastatic Disease	33
Structural Biology of Membrane Proteins	34
<i>Studies on the Prevention, Etiology, Control, Biology, Diagnosis, or Treatment of Breast Cancer</i>	34
<i>Surgical Oncology</i>	35
Technologies for Comprehensive, Sensitive, and Quantitative Protein Analysis in Human Tumors	35
Therapeutic Modulation of Angiogenesis in Disease.....	35
Translational Investigator Grants for Cancer Prevention and Control	35

Academic Research Enhancement Award
PA-99-062, PA-97-052

Principal Investigator	Project Title	Project ID
Chesnut, Robert	Platinated Estrogens for Treatment of Breast Tumors	CA087488
Festin, Stephen	Anti-estrotrophic Mechanisms of Alpha-fetoprotein Peptides	CA094886
Fleming, Steven	Comorbidity Factor and Breast Cancer	CA077855
Fu, Bingmei	Microvessel Permeability and Tumor Metastasis	CA086847
Knepper, Janice	Regulatory Element in the MMTV LTR	CA077799
Park, Chung S	Lipotropes Stimulate Breast Cancer Cell Death	CA098016
Yavelow, Jonathan	Protease Regulation and TGF-Alpha Release in MCF-7 Cells	CA082137

Advanced Technology Radiation Therapy Clinical Trials Support
CA-98-006

Principal Investigator	Project Title	Project ID
Purdy, James A	Advanced Technology QA Center	CA081647

Aging Women and Breast Cancer
PA-00-001, PA-96-034

Principal Investigator	Project Title	Project ID
Clarke, Robert	Estrogen-Induced Progression in Breast Cancer	CA058022
Dickson, Robert	EGF Family Induction of Mammary Hyperplasias and Tumors	CA072460
Ellis, Matthew J	Novel Biomarkers for Aromatase Inhibitor Therapy	CA095614
Fennell, Mary	Multilevel Compliance Model of Breast Cancer Treatments	CA074185
Fox, Sarah A	Increasing Screening Adherence through a Physician Trial	CA076386
Heffelfinger, Sue C	Mammary Tumor Chemoprevention by Angiogenic Inhibitors	CA082996
Iruela-Arispe, Luisa	Therapeutic Antiangiogenesis	CA086256
Kern, Francis G	Genetic Mechanisms of Breast Tumor Progression	CA050376
McTiernan, Anne	Exercise Effect on Sex Hormones in Postmenopausal Women	CA069334
Moses, Marsha	Novel Angiogenesis Inhibitor from Cartilage	CA083106
Nattinger, Ann B	Outcomes of Older Women with Early Stage Breast Cancer	CA081379
Rebbeck, Timothy	Etiologic Heterogeneity in Late Onset Breast Cancer	CA073730
Silliman, Rebecca A	Breast Cancer Treatment Effectiveness in Older Women	CA093772
Silliman, Rebecca A	Breast Cancer Treatment Outcomes in Older Women	CA084506

Applications of Innovative Technologies for the Molecular Analysis of Cancer
PAR-01-107, PAR-01-106, PAR-99-103, PAR-99-102

Principal Investigator	Project Title	Project ID
Agnew, Brian J	Proteomic Analyses of Breast Cancer Refractoriness	CA099103
Albertson, Donna G	Amplicon Profiling by Array Comparative Genomic Hybridization	CA094407
Beitz, Alvin J	In Vivo Analysis of Tumor Peptide Secretion	CA086330
Blair, Suwanna	Sigma-2 Receptor Radiotracers as SPECT Cancer Imaging Agents	CA088389
Boss, Gerry R	Automated Measurement of RAS & RHO Activation in Cancer	CA089828
Brock, Graham J	Identification of M5 CpG Alterations in Breast Carcinomas	CA086305
Bruchez, Marcel	Sensitive, Multiplexed Analysis of Breast Cancer Markers	CA088391

Breast Cancer Progress Report—Online Supplement of RFAs and PAs

Ching, Jesus	Automated RNA Isolation and RT-PCR for Cancer Detection	CA099123
Chodosh, Lewis A	Temporal Analysis of Mammary Carcinogenesis	CA094393
Collins, Colin	Development of End Sequence Profiling: Structural & Functional Oncogenomics	CA103068
Labaer, Joshua	Functional Proteomics of Breast Cancer	CA099191
Poola, Indra	Molecular Assay for Estrogen Receptors in Breast Tumors	CA088347
Roninson, Igor B	Function-Based Selection of Target Genes in Tumor Cells	CA095996
Soper, Steven A	Microsampling Unit for Capturing Low Abundant Cells	CA099246
Speicher, David W	Novel Comprehensive Proteome Analyses of Metastasis	CA092725
Weier, Heinz-Ulrich G	Spectral Imaging for Phenotype Analysis of Cancer Cells	CA088258

Basic Biobehavioral Research on Cancer-Related Behaviors
CA-99-014, CA-98-015

Principal Investigator	Project Title	Project ID
Bovbjerg, Dana	Presurgery Stress—Biological Impact in Breast Cancer	CA088189

Bioengineering Research Grants
PA-02-011, PAR-99-009

Principal Investigator	Project Title	Project ID
Boone, John M	Feasibility of CT in High Risk Breast Cancer Patients	CA089260
Eppstein, Margaret	3-D Frequency Domain Optical Mammography with APPRIZE	CA088082
Ledbetter, Jeffrey A	Gene Therapy with mAb Derivatives Expressed on Tumors	CA090143
Raylman, Raymond R	A Positron Emission Mammography/Tomography Biopsy Device	CA094196
Tornai, Martin P	Simultaneous Emission and Transmission Mammotomography	CA096821
Vaughan, J Thomas	New Radiofrequency Technology for Improved Breast Cancer Diagnostics	CA094200

Bioengineering Research Partnerships
PAR-03-032, PAR-02-010, PA-01-024, PAS-00-006, PAS-99-010

Principal Investigator	Project Title	Project ID
Boone, John M	Breast CT Scanner for Earlier Cancer Detection	CA094236
Carson, Paul L	Combined Digital X-ray and Ultrasound Breast Imaging	CA091713
Clarke, Robert	Molecular Analysis of Human Breast Cancer	CA096483
Hasegawa, Bruce	Imaging Structure and Function in Small Animals	CA091771
Karellas, Andrew	Digital Mammography High Resolution Flat Panel Imager	CA088792
Ling, C C	Multimodality Biological Imaging of Cancer/Tumor Hypoxia	CA084596
Lizzi, Frederic L	Integrated Ultrasonic Systems for Noninvasive Therapy	CA084588
Soper, Steven	Micro-Instrument Platforms for Genetic-Based Analyses	CA084625

Breast Cancer and the Environment Research Centers*
ES-03-001

Principal Investigator	Project Title	Project ID
Haslam, Sandra Z	Breast and the Environment Research Center	ES012800
Heffelfinger, Sue C	Puberty and Cancer Initiation: Environment Diet and Obesity	ES012770
Hiatt, Robert A	Bay Area Breast Cancer and the Environment Research Center	ES012801

Breast Cancer Progress Report—Online Supplement of RFAs and PAs

Russo, Jose	Center for Environment and Mammary Gland Development	ES012771
-------------	--	----------

* This RFA was issued jointly by the NIEHS and NCI. These research centers are administered by the NIEHS, and as such, were not included in the final numbers of the Progress Report (though they were mentioned in Chapter 4).

Breast Cancer Surveillance Consortium (BCSC) Expansion CA-98-025		
Principal Investigator	Project Title	Project ID
Barlow, William E	Statistical Coordinating Center for the Breast Cancer Surveillance Consortium	CA086076
Carney, Patricia A	Strategic Studies in Breast Cancer Surveillance	CA086082
Cutter, Gary R	Breast Cancer Surveillance Research in Colorado	CA063736
Geller, Berta M	Vermont Breast Cancer Surveillance System	CA070013
Kerlikowske, Karla M	San Francisco Mammography Registry--A Research Resource	CA063740
Rosenberg, Robert D	New Mexico Mammography Project	CA069976
Taplin, Stephen H	Breast Cancer Surveillance in a Defined Population	CA063731
Yankaskas, Bonnie C	Breast Cancer Surveillance Research in North Carolina	CA070040

Cancer Drug Discovery: Diversity Generation and Smart Assays CA-98-009, CA-97-006		
Principal Investigator	Project Title	Project ID
Lazo, John	Combinatorial Approaches for Novel Anticancer Agents	CA078039
Sherman, David H	Combinatorial Creation of New Anticancer Agents	CA083155

Cancer Genetics Network (CGN) CA-97-019, CA-97-004		
Principal Investigator	Project Title	Project ID
Anton-Culver, Hoda A	NCI Cancer Genetics Network Informatics Center at UCI	CA078285
Anton-Culver, Hoda A	UCI UCSD Cancer Genetics Network	CA078134
Bowen, Deborah J	Northwest Cancer Genetics Network	CA078164
Finkelstein, Dianne M	Coordinating Center for the Cancer Genetics Network	CA078284
Griffin, Constance A	Mid Atlantic Cancer Genetics Network	CA078148
Isaacs, Claudine	Cancer Genetics Network	CA078146
Mineau, Geraldine P	Rocky Mountain Cancer Genetics Coalition	CA078174
Nadkarni, Prakash M	Delivery of the Cancer Genetics Network Information Resource Database	CA078266
Schildkraut, Joellen M	Carolina and Georgia Genetics Network Center	CA078157
Strong, Louise C	Texas Cancer Genetics Consortium	CA078142

Cancer Intervention and Surveillance Modeling Network (CISNET) CA-02-010, CA-99-013		
Principal Investigator	Project Title	Project ID
Berry, Donald A	Cancer Intervention and Surveillance Modeling Network	CA088278
Fryback, Dennis G	Simulating Breast Cancer in Wisconsin	CA088211
Habbema, J D	Surveillance of Breast Cancer Trends--The MISCAN Model	CA088202
Mandelblatt, Jeanne S	Outcomes across the Spectrum of Breast Cancer Care	CA088283

Breast Cancer Progress Report—Online Supplement of RFAs and PAs

Plevritis, Sylvia K	Breast Cancer Trend Analysis Using Stochastic Simulation	CA088248
Yakovlev, Andrei Y	Mechanistic Modeling of Breast Cancer Surveillance	CA088177
Zelen, Marvin	Breast Cancer: Early Detection, Treatment, and Prevention	CA088270

Cancer Prevention Research Units CA-95-018		
Principal Investigator	Project Title	Project ID
Hollis, Jack	Patient-Focused Cancer Control in an HMO Population	CA072085
Pierce, John	Behavioral Research in Cancer Prevention	CA072092
Siegler, Ilene	Improving Cancer Risk Communication	CA072099

Cancer Prognosis and Prediction PAR-03-099, PAR-03-098, PAR-01-062, PAR-01-061		
Principal Investigator	Project Title	Project ID
Allen, Antonette C	Multimarker Detection of Breast Metastases in PET Nodes	CA095534
Bernard, Philip S	Molecular Diagnostics for Breast Cancer	CA097769
Grieshaber, Charles K	Acetylator-Based Individualized Dosing of Amonafide	CA001924
Kilpatrick, Michael W	Quantitative Automated Analysis of Cancer Markers	CA097911
Sauter, Edward R	Protein Profiling in Nipple Aspirate Fluid	CA095484

Cancer Research Network across Health Care Systems CA-97-017		
Principal Investigator	Project Title	Project ID
Wagner, Edward H	The HMO Cancer Research Network	CA079689

Cancer Research Small Grant Program* PAR-02-176, PAR-00-025		
Principal Investigator	Project Title	Project ID
Akhmedkhanov, Arslan A	Pregnancy Hormonal Profile/Biomarker Breast Cancer Risk	CA095923
Andersen, Thomas	Gravidomimetic Prevention of Breast Cancer	CA091127
Arun, Banu K	Biomarker Modulation/Cox-2 Inhibitor/Breast Cancer	CA097557
Badawi, Alaa F	Prevention of Breast Cancer-Targeting Cox-2 & PPAR-gamma	CA097473
Berg, Patricia	BP1, a Homeobox Gene, Is Over Expressed in Breast Cancer	CA089753
Chen, Wen Y	Human Prolactin Antagonist as a Chemopreventive Agent	CA105479
Christov, Konstantin T	p27KIPL Deficiency, Potential Promoter of Carcinogenesis	CA095712
Constantinou, Andreas	Chemoprevention of Mammary Tumors by Tamoxifen and Soy	CA092759
Djuric, Zora	Weight Loss in Obese Breast Cancer Survivors	CA089761
Fife, Rose	Role of Nitric Oxide in the Progression of Murine Cancer	CA092745
Frost, Andra R	Prevention of Breast Cancer by Targeting Myofibroblasts	CA105950
Frost, Andra R	Role of Fibroblasts and IGF-II in Breast Carcinogenesis	CA097472
Gupta, Ramesh C	Role of Antioxidants in Breast Cancer Prevention	CA092758
Howe, Louise R	Combination Chemoprevention of ER-Negative Breast Cancer	CA105458
Hu, Jennifer	DNA Repair Genotype and Phenotype in Breast Cancer Risk	CA091221
Lampe, Johanna	Host Genes and Colonic Bacteria--Probing for Inheritance	CA089785

Breast Cancer Progress Report—Online Supplement of RFAs and PAs

Lampe, Johanna W	Hormone Status Postmenopause: Colonic Bacterial Effects	CA097475
Lanza-Jacoby, Susan	Cyclooxygenase-2 Inhibition, Angiogenesis, and Breast Cancer	CA089784
Luck, Linda	Estrogenic Substance Detection by a Modified Nanobalance	CA089705
Mesecar, Andrew	A Molecular Basis for Phytoestrogen Chemoprevention	CA092744
Mihich, Enrico	Chemoimmunoprevention of Prostate and Breast Cancer	CA102843
Miller, Fred R	MCF10DCIS.COM as a Preclinical Chemopreventive Screen	CA094333
Ogunyemi, Omolola I	Breast Cancer Risk Assessment with Bayesian Networks	CA099099
Pento, J	Therapeutic Targets to Prevent Breast Cancer Metastasis	CA089740
Rotenberg, Susan	Detection of Metastatic Human Breast Cells by Scanning Electrochemical Microscope	CA091341
Schmelz, Eva M	Prevention of Breast Cancer with Sphingolipids	CA101125
Sherley, James	Plasma Purine Ratio--A New Biomarker for Cancer Risk	CA089737
Tomlinson, Gail	Phenotypic Risk Markers in BRCA1 Mutation Carriers	CA089783
Wang, Sheng	Prohibitin in Mediating Suppression of Breast Cancer	CA102940
Welsh, Joellen E	Bio-activation of Vitamin D in the Mammary Gland	CA103018

* Previously titled as the "Cancer Prevention Research Small Grant Program"

Cancer Studies on Breast, Prostate, Ovarian, and Cervical Cancer
PA-92-027

Principal Investigator	Project Title	Project ID
Baird, William	Molecular Mechanisms of Hydrocarbon/DNA Interactions	CA040228
Butel, Janet S	Suppressor Genes and Breast Cancer	CA025215
Colditz, Graham A	Benign Breast Disease and Risk of Breast Cancer	CA046475
Cullen, Kevin	Insulin Like Growth Factor II in Breast Cancer	CA058441
Filippova, Galina	Mutations of Ctcf Gene at Cancer Associated Locus 16Q22	CA071732
Fluck, Michele	Oncogenesis by Polyomavirus--A Model for Breast Cancer	CA058763
Golovkina, Tatyana	Viral Recombination and MMTV Induced Mammary Tumors	CA065795
Horowitz, Mary	Collaborative Bone Marrow Transplant Program	CA040053
Javier, Ronald T	Mechanisms of the Adenovirus E4-ORF1 Oncoprotein	CA058541
Malone, Kathleen	Factors Affecting Survival of Young Cancer Patients	CA059736
Medina, Daniel	Early Events in Multiple-Stage Mammary Tumorigenesis	CA047112
Moll, Ute	p53's Direct Role in Mitochondrial Control of Apoptosis	CA060664

Cancer Surveillance Using Health Claims-Based Data System
PA-02-006, PA-99-015, PA-95-069

Principal Investigator	Project Title	Project ID
Du, Xianglin	Evaluation of Chemotherapy Claims for Breast Cancer	CA090626
Guadagnoli, Edward	Managed Care Penetration and Cancer Care	CA092588
Guadagnoli, Edward	Data Sources and Patterns of Care for Breast Cancer	CA075545
Iezzoni, Lisa L	Cancer Care and Outcomes for Disabled Medicare Patients	CA100029
Wei, Feifei	Cancer Surveillance in HMO Administrative Data	CA087944

Cancer Survivorship Studies in Established Epidemiologic Cohorts
PA-98-027

Principal Investigator	Project Title	Project ID
------------------------	---------------	------------

Breast Cancer Progress Report—Online Supplement of RFAs and PAs

Claus, Elizabeth B	Long-Term Outcomes for Women with Breast Cancer In Situ	CA081393
Gordon, Nahida H	Characteristics of Long-Term Breast Cancer Survivors	CA078517
Trentham-Dietz, Amy	Breast Cancer In Situ: Recurrence and Quality of Life	CA067264

Cancer Therapy with Biological Response Modifiers
CA-95-017, CA-92-028

Principal Investigator	Project Title	Project ID
Lobuglio, Albert	Recombinant Tumor Vaccine--CATBRM	CA061397
Uckun, Fatih	Cancer Therapy with Biotherapeutics Containing Genistein	CA072157

Cancer Therapy-Related Use of Genetically Engineered Mice
PAR-02-051

Principal Investigator	Project Title	Project ID
Lee, William M	Transgenic Mice as Models for Antivasular Therapy	CA099519

Centers for Mind/Body Interactions and Health
OD-99-005

Principal Investigator	Project Title	Project ID
Antoni, Michael H	Center for Psycho-Oncology Research	CA084944

Centers for Population Health and Health Disparities
ES-02-009

Principal Investigator	Project Title	Project ID
Warnecke, Richard B	University of Illinois at Chicago Centers for Population Health and Health Disparities	CA106743

Centers of Excellence in Cancer Communications Research
CA-03-007, CA-01-019

Principal Investigator	Project Title	Project ID
Gustafson, David H	Cancer Communications Systems-Expanded Use/Understanding	CA095817
Kreuter, Matthew W	Centers of Excellence in Cancer Communications Research	CA095815
Strecher, Victor J	Michigan Center for Health Communications Research	CA101451

***Chemoprevention in Genetically-Identified High-Risk Groups:
Interactive Research and Development Projects***
CA-98-012, CA-97-005

Principal Investigator	Project Title	Project ID
Brown, Powel H	Chemoprevention of Breast and Ovarian Cancer	CA086809

***Chemoprevention of Estrogen Receptor-Negative Breast Cancer
Preclinical Studies***
CA-03-005

Principal Investigator	Project Title	Project ID
Albertson, Donna	Genomic Analysis of Estrogen Receptor-Negative Breast Cancer	CA101359

Breast Cancer Progress Report—Online Supplement of RFAs and PAs

Brown, Powel H	Prevention of ER-Negative Breast Cancer	CA101211
Disis, Mary L	Multi-antigen Vaccines for Breast Cancer	CA101190
Gould, Michael N	Secreted Proteins as Breast Cancer Prevention Markers	CA101201
Perou, Charles M	Molecular Characterization of Breast Basal-Like Tumors	CA101227
Sporn, Michael B	Chemoprevention of ER-Negative Breast Cancer	CA101207

Clinical Cancer Therapy Research PA-02-002, PA-99-046, PA-92-069		
Principal Investigator	Project Title	Project ID
Diasio, Robert B	Genetic Polymorphism of Dihydropyrimidine Dehydrogenase	CA062164
Disis, Mary L	HER2 Vaccination for the Treatment of Cancer	CA085374
Lum, Lawrence G	Breast Cancer Treatment with Antibody Targeted T-Cells	CA092344
Shapiro, Charles	Premature Ovarian Failure in Breast Cancer Patients	CA060050

Clinical Epidemiologic Studies in Hereditary Breast/Ovarian Cancer PA-97-109		
Principal Investigator	Project Title	Project ID
Bernstein, Leslie	BRCA1, Oral Contraceptives, and Hormonal Risk Factors	CA074847
Hartmann, Lynn	Prophylactic Mastectomy in Hereditary Breast Cancer	CA080181
Narod, Steven	Mammographic Density and Risk of Hereditary Breast Cancer	CA082562
Rebbeck, Timothy R	Prophylactic Surgery in Carriers of BRCA1 and BRCA2	CA083855

Clinical/Metabolic Studies in Nutrition and Breast Cancer Prevention CA-94-010		
Principal Investigator	Project Title	Project ID
Gann, Peter	Hormonal Responses to a Low Fat, High Fiber, and Soy Diet	CA066695
Krinsky, Norman	Uptake and Metabolism of Beta Carotene in Breast Tissue	CA066914
Peacocke, Monica	Carotenoid-Regulated Growth Inhibition in Breast Tissue	CA066693
Van Horn, Linda	Low Fat, High Fiber, Soy-Rich Diet in Premenopausal Women	CA066691

Clinical Trials Cooperative Group Program PA-99-058, PA-95-063		
Principal Investigator	Project Title	Project ID
Bryant, John L	Biostatistical Center for the NSABP	CA069651
Buckner, Jan C	North Central Cancer Treatment Group	CA025224
Comis, Robert	Genetic Markers for Therapy of Colon Cancer	CA078971
Fitzgerald, Thomas J	Quality Assurance Review Center (QARC)	CA029511
Margolese, Richard G	Primary Breast Cancer Therapy Group	CA020156
Robidoux, Andre	NSABP Main Member	CA044066
Schilsky, Richard L	CALGB Studies of Breast Cancer in the Elderly	CA085850
Scholnik, Aaron P	NSABP Member: Michigan State University	CA028837
Taplin, Mary	Androgen Receptor Analysis in Refractory Prostate Cancer	CA078967
Therasse, Patrick	EORTC Data Center	CA011488
Wells, Samuel A	American College of Surgeons Oncology Group	CA076001

Breast Cancer Progress Report—Online Supplement of RFAs and PAs

Wells, Samuel A	ACOSOG Statistics and Data Coordinating Center	CA086004
Wolmark, Norman	National Surgical Adjuvant Breast and Bowel Project	CA012027

Cohort Studies in Cancer Epidemiology
PAS-02-009

Principal Investigator	Project Title	Project ID
Kolonel, Laurence N	Multiethnic Cohort Study of Diet and Cancer	CA054281
Palmer, Julie R	Gene Polymorphisms in Relation to Cancer in Black Women	CA098663
Shore, Roy E	Estrogen Metabolites, Related Genes and Breast Cancer	CA098661
Zheng, Wei	Cancer Risk Reduction and Diet: A Cohort Study of Women	CA070867

Collaborative Cancer Prevention Research Units
CA-94-009

Principal Investigator	Project Title	Project ID
Harris, Russell	Cancer Prevention in Primary Care--Patient Activation	CA068286
Marcus, Alfred	Intergroup Cancer Prevention Research Unit--First Degree Relative Screening in 3 Cancer Sites Including Breast	CA068424
Ransohoff, David	Cancer Prevention in Primary Care--Practice Activation	CA068378

Community Clinical Oncology Program (CCOP)
CA-03-011, CA-02-003, CA-01-004, CA-99-006, CA-98-020

Principal Investigator	Project Title	Project ID
Ansari, Rafat H	Northern Indiana Cancer Research Consortium CCOP	CA086726
Atkins, James N	Southeast Cancer Control Consortium, Inc	CA045808
Banerjee, Tarit K	Marshfield Community Clinical Oncology Program	CA035412
Bearden, James D	Upstate Carolina Community Clinical Oncology Program	CA035119
Bernath, Albert M	Geisinger Clinical Oncology Program	CA035448
Bryant, John L	Clinical Oncology Program Biostatistical Center	CA069974
Cobb, Patrick W	Montana Cancer Consortium	CA067575
Colman, Lauren K	Northwest Community Clinical Oncology Program	CA035281
Comis, Robert L	ECOG CCOP Research Base	CA037403
Dakhil, Shaker R	Community Clinical Oncology Program	CA035431
Dalton, Robert J	Duluth Community Clinical Oncology Program	CA035269
Decker, David A	Beaumont Community Clinical Oncology Program	CA095860
Disaia, Philip J	Gynecologic Oncology Group	CA101165
Ellerton, John A	Southern Nevada Cancer Research Foundation--CCOP	CA035421
Engstrom, Paul F	Fox Chase Cancer Center CCOP-Research Base Program	CA101178
Feusner, James H	Bay Area Tumor Institute CCOP	CA045461
Fitch, Tom R	Scottsdale Community Clinical Oncology Program	CA060276
Flynn, Patrick J	Metro Minnesota Community Clinical Oncology Program	CA035267
Giguere, Jeffrey K	Greenville, South Carolina CCOP	CA067663
Gilman, Paul B	Mainline Health CCOP	CA063847
Goodwin, J W	Ozarks Regional Community Clinical Oncology Program	CA045560
Gross, Howard M	Dayton Clinical Oncology Program	CA035090
Grubbs, Stephen Scott	Christiana Care CCOP	CA045418

Breast Cancer Progress Report—Online Supplement of RFAs and PAs

Henry, Patrick H	St. Louis-Cape Girardeau CCOP	CA035128
Jacobs, Andrew D	Virginia Mason Community Clinical Oncology Program	CA035192
Kardinal, Carl G	Ochsner Community Clinical Oncology Program	CA035272
Keiser, L W	Santa Rosa Memorial Hospital Regional CCOP	CA063850
Keller, Alan	Sooner State CCOP	CA086737
King, David K	Western Regional Community Clinical Oncology Program	CA035262
Kirshner, Jeffrey J	Syracuse Hematology-Oncology CCOP	CA045389
Kuebler, J P	Columbus Community Clinical Oncology Program	CA035261
Kugler, John W	Illinois Oncology Research Association CCOP	CA035113
Lanier, Keith S	Columbia River Oncology Program	CA045377
Levitt, Ralph	Meritcare Hospital Community Clinical Oncology Program	CA037417
Lilenbaum, Rogerio C	Mount Sinai Community Clinical Oncology Program	CA045564
Locker, Gershon Y	Community Clinical Oncology Program	CA035199
Lockhart, James B	Oklahoma Community Clinical Oncology Program (CCOP)	CA045459
Loprinzi, Charles L	Community Clinical Oncology Program	CA037404
Lord, Raymond S	Kalamazoo Community Clinical Oncology Program	CA035184
Mailliard, James A	Missouri Valley Cancer Consortium CCOP	CA063849
Maurer, Herbert	Green Mountain Oncology Group	CA035091
Morrow, Gary R	University of Rochester-CCOP Research Base	CA037420
Morton, Roscoe F	Iowa Oncology Research Association	CA035101
Pajon, Eduardo R	CCOP--Colorado Cancer Research Program	CA067753
Paradelo, Jorge C	Kansas City Community Clinical Oncology Program	CA035176
Rosenbluth, Richard J	Northern New Jersey Community Clinical Oncology Program	CA035096
Rowland, Kendrith	Carle Cancer Center Community Clinical Oncology Program	CA035195
Saphner, Thomas J	St. Vincent Hospital Regional Cancer Center CCOP	CA095968
Schaefer, Paul L	Toledo Community Clinical Oncology Program	CA035415
Schwartzberg, Lee	Baptist Cancer Institute Community Clinical Oncology Program	CA071323
Seay, Thomas E	Atlanta Regional Community Clinical Oncology Program	CA045450
Stella, Philip J	Ann Arbor Regional CCOP	CA063848
Tschetter, Loren K	Sioux Community Cancer Consortium	CA035103
Vinciguerra, Vincent P	North Shore Community Clinical Oncology Program	CA035279
Wade, James L	Central Illinois Community Clinical Oncology Program	CA045807
Wiesenfeld, Martin	Cedar Rapids Oncology Project	CA052352
Wolmark, Norman	Community Clinical Oncology Program	CA037377
Wong, Lucas J	Scott and White Community Clinical Oncology Program	CA074647
Yost, Kathleen	Grand Rapids Clinical Oncology Program	CA035178

Cooperative Breast Cancer Tissue Resource CA-03-503, CA-93-019		
Principal Investigator	Project Title	Project ID
Glass, Andrew G	Cooperative Breast Cancer Tissue Resource	CA062938
Milikowski, Clara	Cooperative Breast Cancer Tissue Resource (CBCTR)	CA062772
Russo, Jose	Fox Chase Cancer Center Breast Cancer Tissue Resources	CA062779
Zehnbauer, Barbara A	St. Louis Breast Cancer Tissue Registry	CA062773

**Cooperative Family Registry for Epidemiologic Studies of Breast Cancer
CA-95-003**

Principal Investigator	Project Title	Project ID
Andrulis, Irene L	Ontario Family Registry for Study of Breast Cancer Risk	CA069467
Buys, Sandra S	Cooperative Family Registry for Breast Cancer Studies	CA069446
Daly, Mary B	Cooperative Family Registry for Breast Cancer Study	CA069631
Hopper, John L	The Australian Breast Cancer Family Registry	CA069638
Senie, Ruby T	Metropolitan New York Registry of Breast Cancer Families	CA069398
West, Dee W	Northern California Cooperative Family Registry	CA069417

**Cooperative Grants for Nutritional Modulation of Genetic Pathways
Leading to Cancer*
CA-03-001, CA-01-015**

Principal Investigator	Project Title	Project ID
Barnes, Stephen	Center for Nutrient-Gene Interaction in Cancer Prevention	CA100949
Hilakivi-Clarke, Leena	Timing of Dietary Exposures and Breast Cancer Risk	CA093986
Hilakivi-Clarke, Leena	Timing of Dietary Exposure and Breast Cancer Risk	CA100970
Rosenberg, Daniel	Effects of Oxidant Balance on Colon and Breast Cancer	CA093931

* Includes projects funded through CA-01-015 "Planning Grant for Collaborations on Nutritional Modulation of Genetic Pathways Leading to Cancer."

**Cooperative Group for Breast and Colo-Rectal Cancer Clinical Trials
CA-95-011**

Principal Investigator	Project Title	Project ID
Mamounas, Eleftherioos	NSABP Member--Mount Sinai Medical Center	CA026730
Romond, Edward	NSABP Member--University of Kentucky	CA056112
Shibata, Henry	NSABP Member--Royal Victoria Hospital	CA020321
Vogel, Victor	NSABP Member--University of Pittsburgh Cancer Institute	CA012028
Wolmark, Norman	Allegheny Community Cancer Network	CA071240

**Cooperative Human Tissue Network
CA-01-009**

Principal Investigator	Project Title	Project ID
Moskaluk, Christopher	Tissue Procurement and Processing for Molecular Analysis	CA091654

**Cooperative Planning Grant for Cancer Disparities Research Partnership
CA-03-018, CA-02-002**

Principal Investigator	Project Title	Project ID
Bains, Yadvindra	Evaluating Cancer Disparities among Hispanic Communities	CA099038
Heron, Dwight E	UPMC McKeesport Hospital/Radiation Oncology Minorities Outreach Group	CA105486
Maguire, Patrick D	Improving Cancer Outcomes for African-Americans	CA105329
Petereit, Daniel G	Enhancing Native American Participation in Radiation Therapy Trials	CA099010
Steinberg, Michael L	Urban Latino African American Cancer Disparities Project	CA105389

Correlative Studies Using Specimens from Multi-Institutional Treatment Trials PA-03-064, PA-01-015, PA-98-099		
Principal Investigator	Project Title	Project ID
Ambrosone, Christine B	Pharmacogenetics: Breast Cancer Treatment and Prognosis	CA095222
Cote, Richard J	Bone Marrow & Sentinel Node Micrometastases in Breast Cancer	CA085840
Harris, Lyndsay	ErbB2/p53 and Taxane Chemotherapy for Breast Cancer	CA086774
Hayes, Daniel F	Correlative Studies of ErbB-2/HER2 and p53 in a CALGB Protocol	CA092461
Huang, Sui	Perinucleolar Compartment as a Putative Cancer Marker	CA084369
Modugno, Francesmary	Serum Markers of Breast /Ovarian Cancer Risk	CA095113
Rohan, Thomas E	p53 in Benign Breast Disease and Breast Cancer Risk: A Multicenter Cohort	CA095661

Development and Application of Imaging in Therapeutic Studies CA-98-024		
Principal Investigator	Project Title	Project ID
Brasch, Robert	MRI Monitoring of Angiogenesis Inhibition	CA082923
Piwnica-Worms, David	Imaging Multidrug Resistance and Modulation in Breast Cancer	CA083059

Development of Digital Mammography Displays and Workstations PA-99-083, PA-99-082		
Principal Investigator	Project Title	Project ID
Burgess, Arthur E	Lesion Detection in Digital Mammograms	CA087738
Chakraborty, Dev	Perceptual Model for Workstation Display Optimization	CA087935
Kanicki, Jerzy	Plastic Light Emitting Display for Digital Mammography	CA085452
Krupinski, Elizabeth	Optimizing Softcopy Displays for Digital Mammography	CA087816
Roehrig, Hans	Improving CRT Display of Digital Mammograms	CA085626

Development of Novel Technologies for In Vivo Imaging* PAR-01-102, PAR-01-101, PAR-00-089		
Principal Investigator	Project Title	Project ID
Barbour, Randall L	Functional Optical Mammography	CA096102
Barker, Peter E	Proton MR Spectroscopic Imaging in Human Breast Cancer	CA091798
Besson, Guy M	Nine Mega-Pixel Digital Mammography Display Workstation	CA099068
Besson, Guy M	Integrated Ultrasound and Digital Mammography System	CA100959
Crouch-Baker, Steven	CDTE-Based Detectors for Digital Mammography	CA100969
Degrado, Timothy R	Automated Synthesis of F-18 Fluorocholine	CA094387
Eastman, Jay M	Hand-Held Confocal Line-Scanner for Intraoperative Use	CA093106
Entine, Gerald	High-Resolution, Low Cost PET Module	CA094385
Entine, Gerald	High-Resolution Imaging Detector for Mammography	CA091420
Hamilton, Richard T	Smart Probes for Imaging Cancer	CA100977
Lo, Shih-Chung	Speckle-Free Transmission Ultrasound for Breast Imaging	CA091803
Mach, Robert H	PET Imaging of Breast Cancer via Sigma-2 Receptors	CA102869
Ning, Ruola	Cone Beam Volume CT Breast Imaging Scanner	CA103236
Ning, Ruola	High Resolution Cone Beam Volume CT for Breast Imaging	CA094300
Oraevsky, Alexander A	Diagnostic Imaging of Blood in Breast Tumor Angiogenesis	CA095883

Breast Cancer Progress Report—Online Supplement of RFAs and PAs

Patt, Bradley E	High-Resolution 3D Breast Tomograph for Early Cancer Detection	CA096015
Penn, Alan I	Computer-Aided Decision Model for Interpreting Breast MR	CA085101
Qian, Wei	Multi-view Computer-Aided Diagnosis System for Breast Cancer Early Detection	CA099046
Rubashov, Igor B	Combined MR-PET Tomograph for Breast Imaging	CA096055
Sarvazyan, Armen	Imaging Network for Breast Cancer Mass Screening	CA091392
Saylor, Charles	MR Noise Tomography	CA102864
Sevick-Muraca, Eva M	Fluorescence Imaging for Sentinel Lymph Node Mapping	CA096305
Squillante, Michael R	High Resolution Mammography Sensor	CA099104
Tang, Cha-Mei	Focused Collimator for Dual Modality Breast Imaging	CA099433
Vaughan, J Thomas	High Field MR Coils for Improved Breast Cancer Detection	CA094318
Weinberg, Irving N	Could Dedicated Breast PET Predict Multifocality?	CA103102
Zipfel, Warren R	Nonlinear Intrinsic Microspectroscopy of Cancer	CA094311

* Previously titled "Development of Novel Imaging Technologies"

Developmental/Pilot Projects in Cancer Complementary and Alternative Medicine (CAM)
PAR-02-040

Principal Investigator	Project Title	Project ID
Cassileth, Barrie R	Acupuncture for Hot Flashes in Cancer Patients	CA098565
Janusek, Linda W	Mindfulness-Based Stress Reduction for Stress-Related Immune Dysregulation in Cancer	CA098643
Lutgendorf, Susan K	Healing Touch, Immunity, and Fatigue in Breast Cancer	CA102515
Lyon, Debra E	Cranial Stimulation for Chemo Symptoms in Breast Cancer	CA106149
Revskey, Sergei	Depressive State and Cell Resistance to Stress in Cancer	CA098856
Thompson, Lillian U	Effects of Flaxseed and Tamoxifen in Breast Cancer	CA100630

Diet, Lifestyle, and Cancer in U.S. Special Populations
PA-98-028

Principal Investigator	Project Title	Project ID
Byers, Tim E	Four-Corners Breast Cancer Study	CA078552
Folsom, Aaron R	Epidemiology of Cancer in a Cohort of Older Women	CA039742
Slattery, Martha L	Four-Corners Breast and Endometrial Cancer Study	CA078682

Dietary Exposure to and Effects of Plant Food Constituents
CA-96-002

Principal Investigator	Project Title	Project ID
Auborn, Karen J	Phytochemicals and Estrogen-enhanced Cancers	CA073385
Setchell, Kenneth	Metabolic Fate Plasma Kinetics of Dietary Soy Isoflavones	CA073328

Director's Challenge: Toward a Molecular Classification of Tumors
CA-98-027

Principal Investigator	Project Title	Project ID
Aldaz, C Marcelo	Gene Expression Signature of Early Breast Cancer	CA084978
Boyd, Jeff A	Molecular Classification of Ovarian Cancers	CA088175
Brown, Patrick O	A Cancer Taxonomy Based on Gene Expression Patterns	CA085129

Early Detection Research Network (EDRN) <u>CA-99-007, CA-98-028</u>		
Principal Investigator	Project Title	Project ID
Beach, David H	Early Diagnosis of Cancer: The Canfind Consortium	CA084976
Costa, Jose	Cancer Risk Detection by Mutational Load Distribution Analysis	CA085065
Gazdar, Adi F	Markers for Risk Assessment/Early Detection of Lung and	CA084971
Helzlsouer, Kathy J	Clue Studies--Evaluating Biomarkers of Carcinogenesis	CA086308
Marks, Jeffrey R	Expression-Based Markers for Breast Cancer Detection	CA084955
Rom, William N	NYU Biomarker Clinical and Epidemiologic Center	CA086137
Semmes, Oliver J	Early Detection of Cancer by Affinity Mass Spectrometry	CA085067
Trock, Bruce J	Detecting Breast Cancer Protein Signatures in Body Fluid	CA085082

Early Therapeutics Development with Phase 2 Emphasis <u>NOT-CA-00-002</u>		
Principal Investigator	Project Title	Project ID
Polunovsky, Vitaly	Translational Apparatus as a Target for Drug Discovery	CA091220
Reiss, Michael	TGF-Beta Receptor Antagonists as Anticancer Agents	CA094431

Economic Studies in Cancer Prevention, Screening, and Care <u>PA-02-005, PA-99-014, PA-94-011</u>		
Principal Investigator	Project Title	Project ID
Bradley, Cathy J	Labor Market Outcomes of Long-Term Cancer Survivors	CA086045
Fahs, Marianne	Cost Effectiveness Analysis of Breast Cancer Control for African Americans	CA072908
Melnikow, Joy	Tamoxifen & Breast Cancer--Acceptance/Cost Effectiveness	CA086043
Phillips, Kathryn	Use of Cancer Screening in a Managed Care Environment	CA081130
Plevritis, Sylvia	Cost Effectiveness Analysis of Breast Cancer Screening	CA082904

Endocrine Disruptors: Epidemiologic Approaches <u>OH-01-001</u>		
Principal Investigator	Project Title	Project ID
Zheng, Tongzhang	PCBs, CYP1A1 Polymorphism, and Breast Cancer Risk in Connecticut	CA095788

Exploratory Grants for Behavioral Research in Cancer Control <u>PA-02-001, PA-99-163</u>		
Principal Investigator	Project Title	Project ID
Armstrong, Katrina	Cultural Model of Prevention in African-American Women	CA100602
Basen-Engquist, Karen	Breast Cancer Survivors, Physical Activity, and Quality of Life	CA089519
Costanza, Mary E	Enhanced Intervention for Mammogram-Resistant Women	CA100286
Demark-Wahnefried, Wendy	Strength—Survivor Training for Enhancing Total Health	CA092468
Ell, Kathleen	Oncology Depression Program--Latinas with Cancer	CA093390
Epstein, Dana R	Insomnia Intervention for Breast Cancer Survivors	CA091869

Breast Cancer Progress Report—Online Supplement of RFAs and PAs

Fitzgibbon, Marian	Breast Cancer Risk Reduction in African American Women	CA088935
Gotay, Carolyn C	A Writing Program for Multiethnic Breast Cancer Patients	CA097372
Jibaja-Weiss, Maria L	Microworlds for Breast Cancer Risk Reduction	CA090463
Riggs, Raine L	Cognitive Behavioral Treatment for Chronic Insomnia in Breast Cancer Survivors	CA102066
Rock, Cheryl L	Healthy Weight Management for Breast Cancer Survivors	CA090413
Schootman, Mario	Geographic Information Systems and Breast Cancer Screening in Saint Louis	CA098594

Exploratory Grants for Correlative Laboratory Studies and Clinical Trials

PA-98-042, PA-96-040, PA-94-050

Principal Investigator	Project Title	Project ID
Bailey, Howard	Daily Perillyl Alcohol Therapy in Advanced Breast Cancer	CA072500
Bearman, Scott	Allogeneic Leukocyte Infusions for Breast Cancer	CA082505
Chang, Jenny	Mechanism of Action of Herceptin in Breast Cancer	CA087649
Johanning, Gary	Epigenetic Changes and Vitamin Status in Breast Cancer	CA087643
Koury, Mark	Folate Deficiency During Cancer Chemotherapy	CA082986
Leslie, Kimberly	Novel Mechanism for Tamoxifen-Induced Endometrial Atypia	CA076508
Li, Benjamin	eIF4E Overexpression and Breast Cancer Recurrence	CA079082
Reintgen, Douglas	Lymphatic Mapping and Staging of Breast Cancer	CA066553
Rimm, David	Value of Met Protein for Prediction of Metastasis in Cancer	CA081333
Toppmeyer, Deborah	Sequential Doxorubicin and Vinorelbine in Breast Cancer	CA082607
Triozzi, Pierre	Chimeric HER-2 Peptide Vaccine	CA082869
Williams, Jill	Prognostic & Therapeutic Role of c-Kit in Breast Cancer	CA077496

Exploratory Studies in Cancer Detection, Prognosis & Prediction*

PA-03-003, PA-01-010, PA-98-042, PA-98-022, PA-96-040, PA-94-050

Principal Investigator	Project Title	Project ID
Bailey, Howard	Daily Perillyl Alcohol Therapy in Advanced Breast Cancer	CA072500
Bearman, Scott	Allogeneic Leukocyte Infusions for Breast Cancer	CA082505
Brown, Kevin D	Epigenetic Silencing of Atm in Breast Cancer	CA102220
Chang, Jenny	Mechanism of Action of Herceptin in Breast Cancer	CA087649
Clelland, Catherine L	Breast Cancer Diagnosis: Blood-Cell Multigene Signatures	CA102552
Diamandis, Eleftherios	Candidate New Biomarker for Breast Cancer Diagnosis	CA087615
Fleming, Timothy P	Mammaglobin as a Marker for Breast Cancer Detection	CA098021
Gabrielson, Edward	Microsatellite Markers of DCIS Prognosis	CA081442
Johanning, Gary	Epigenetic Changes and Vitamin Status in Breast Cancer	CA087643
Kinch, Michael	EphA2--A Marker of Breast Cancer Progression	CA085615
Koeffler, Phillip	Identification of Novel Secreted Molecules of Cancer	CA080972
Koury, Mark	Folate Deficiency During Cancer Chemotherapy	CA082986
Leslie, Kimberly	Novel Mechanism for Tamoxifen-Induced Endometrial Atypia	CA076508
Li, Benjamin	eIF4E Overexpression and Breast Cancer Recurrence	CA079082
Miksicek, Richard J	Characterization of a Novel Breast-Specific Mucin Gene	CA094943
Nguyen, Mai	Breast Cancer Diagnosis with bFGF	CA091988
Nieto, Yago	Prognostic Modeling of High-Risk Primary Breast Cancer	CA095762

Breast Cancer Progress Report—Online Supplement of RFAs and PAs

North, William	GRSA Proteins in the Diagnosis of Breast Cancer	CA092506
Racila, Emil	Detection of Carcinoma Cells in the Blood	CA090822
Reintgen, Douglas	Lymphatic Mapping and Staging of Breast Cancer	CA066553
Rimm, David	Molecular Clonality Assay for Early Cancer Diagnosis	CA080085
Rimm, David	Value of Met Protein for Prediction of Metastasis in Cancer	CA081333
Rimm, David L	AQUA: A New Quantitative In Situ Proteomic Assay	CA100825
Ross, Jeffrey	Human RNA Binding Protein as a Cancer Marker	CA094082
Tonetti, Debra A	PKC as a Marker in Tamoxifen Resistant Breast Cancer	CA097045
Toppmeyer, Deborah	Sequential Doxorubicin and Vinorelbine in Breast Cancer	CA082607
Triozi, Pierre	Chimeric HER-2 Peptide Vaccine	CA082869
Williams, Jill	Prognostic & Therapeutic Role of c-Kit in Breast Cancer	CA077496
Windle, Bradford	HTERT Expression as a Marker for Early Cancer Detection	CA090240

* This Program Announcement replaces and supersedes two prior Program Announcements, Exploratory Studies in Cancer Diagnostics ([PA-98-022](#)) and Exploratory Grants for Correlative Laboratory Studies and Clinical Trials ([PA-98-042](#), [PA-96-040](#), [PA-94-050](#)).

Exploratory/Developmental Grants for Diagnostic Cancer Imaging PA-01-030, PA-98-008		
Principal Investigator	Project Title	Project ID
Abbey, Craig Kendall	Quantitative Assessment of Murine Tumors with Micropet	CA102733
Anderson, Carolyn J	Targeting Matrix Metalloproteinases for Tumor Imaging	CA098698
Carr, John	Reader Accuracy with Video Display of Mammograms	CA079717
Chang, Yuan-Hsiang	Knowledge-Based Computer-Aided Detection Scheme	CA082912
Cherry, Simon R	Avalanche Photodiode-based PET Detector Modules for Breast Imaging	CA096537
Clackdoyle, Rolf	Tomographic Imaging from Limited Cone-Beam Data	CA082843
Contag, Christopher	Imaging Spontaneous Breast Cancer in Mouse Models	CA087386
Daniel, Bruce	MR-Guided Radio Frequency Ablation of Breast Cancer	CA079773
Floyd, Carey	Computer Aid for the Decision to Biopsy Breast Lesions	CA081309
Forsberg, Flemming	Contrast-Enhanced Ultrasound Detection of Angiogenesis	CA093907
Garwood, Michael	MR Studies of Glucose Metabolism in Breast Lesions	CA079732
Giger, Maryellen	Computer-Aided Image Assessment of Breast Cancer Risk	CA079711
Hagness, Susan C	Space-Time Microwave Imaging for Breast Cancer Detection	CA092188
He, Qihong	In Vivo Proton MRS Detection of Malignant Breast Cancer	CA080906
Heine, John	Normal Image Recognition Techniques for Digital Mammograms	CA079947
Heine, John	Computerized Mammographic Lesion Description	CA082639
Ikeda, Debra	Magnetic Resonance Spectroscopy of Breast Cancer	CA079944
Jiang, Yulei	Estimating Neural Network Precision for Cancer Diagnosis	CA093989
Levin, Craig S	A New Photon Sensor to Improve Molecular Cancer Imaging	CA098691
Lo, Joseph	Improved Diagnosis of Breast Microcalcification Clusters	CA092573
Lo, Joseph Y	Predicting Breast Cancer with Ultrasound and Mammography	CA093461
Mulkern, Robert V	Magnetic Resonance Methods for Guiding Thermal Therapy	CA087806
Nalcioglu, Orhan	An MRI-Detectable Neovascular-targeted Adenovirus	CA083681
Patz, Edward	Development of Novel Tumor Imaging Agents	CA083899
Petrick, Nicholas	Microlens Arrays in Digital Mammographics Imaging	CA079943
Rao, Devulapalli V	Medical Image Processing Using Optical Fourier Technique	CA089673
Raylman, Raymond	Positron Emission Mammography-Guided Breast Biopsy	CA082752

Breast Cancer Progress Report—Online Supplement of RFAs and PAs

Riese, David	Tumor Imaging Agents Directed against ErbB2	CA089274
Stopeck, Alison	Diffusion MRI and Chemotherapeutic Response	CA088288
Sumkin, Jules	Optimal Reference Exam for Mammographic Interpretations	CA085242
Vanbrocklin, Henry	Development of Cancer Imaging Agents	CA079823
Weichert, Jamey P	Evaluation of NM404 in Endogenous Breast Cancer Models	CA095249
Wernick, Miles N	Content Based Mammogram Retrieval as a Diagnostic Aid	CA089668
Wheatley, Margaret A	Contrast Enhanced Ultrasound with Therapeutic Modality	CA102238
Zheng, Bin	Computer-Assisted Diagnosis for Earlier Detection of Breast Cancer	CA085241

**Exposure Assessment Methods for Cancer Research
CA-01-018**

Principal Investigator	Project Title	Project ID
Lin, Young C	Exposure to Beef Growth Promoter in Breast Cancer	CA094718

**Federal Technology Transfer Program in Digital Mammography
PA-94-020**

Principal Investigator	Project Title	Project ID
Stanton, Martin	Novel Detector for Whole Breast Mammography	CA066232
Walker, James	High-Resolution Digital Mammography System	CA065992
Williams, Mark B	Application of Breast-Imaging Technologies to Molecular Imaging	CA069452

**Flexible System to Advance Innovative Research for Cancer Drug Discovery
by Small Businesses (FLAIR)
PAR-03-074, PA-01-091, PAR-00-030, CA-98-022**

Principal Investigator	Project Title	Project ID
Austin, Richard J	Small Molecule Inhibitors of the Wip1 Oncogene	CA102808
Bojanowski, Krzysztof	Development of a New Antiangiogenic Tumor Blocker Sbd 1	CA096058
Coleman, Timothy P	Development of a Potent Adenocarcinoma Immunotherapy	CA099273
Glode, L M	Cytotoxic Gonadotropin Releasing Hormone Derivatives	CA096049
Hong, Keelung	Targetable Formulations for Novel Anti-cancer Agents	CA086156
John, Constance	Novel Treatment for Breast Cancer: Truncated Galectin-3	CA092801
Kasibhatla, Shailaja	MX2060: A Novel Apoptosis-Inducing Antitumor Agent	CA091811
Kirkpatrick, Lynn	Novel Antitumor Disulfides	CA075923
McGowan, Eleanor	A-Z CINN/TM Targeted Prodrugs: A Single Treatment Cure for Cancer	CA095937
Mikovits, Judy A	Development of DNA Methyltransferase Inhibitors as Anticancer Agents	CA092828
Sharlow, Elizabeth	Survival Signaling Inhibitors as Cancer Drugs	CA089776
Sood, Ashwani	Breast Cancer Vaccines	CA086164
Virag, Laszlo	Cancer Radiotherapy: Sensitization by Inhibitors of PARP	CA090016
Wilson, Darcy	Peptide Vaccines for Breast and Ovarian Cancer	CA082957

**Geographic-Based Research in Cancer Control and Epidemiology
PAS-00-121, PAS-00-120**

Principal Investigator	Project Title	Project ID
------------------------	---------------	------------

Breast Cancer Progress Report—Online Supplement of RFAs and PAs

Rushton, Gerard	A Geographic Information System-Based Workbench to Interpret Cancer Maps	CA095961
-----------------	--	----------

Health Communications in Cancer Control
CA-98-014

Principal Investigator	Project Title	Project ID
Daly, Mary	Communicating Genetic Test Results to the Family	CA081867
Kreuter, Matthew	Cultural Tailoring for Cancer Prevention in Black Women	CA081872
Wilkie, Diana J	Computerized PAINRelievelt Protocol for Cancer Pain	CA081918

***Human Metabolic Studies of Modification of Dietary Fatty Acid Intake
for Prevention of Breast, Prostate, and Colon Cancer***
CA-95-010

Principal Investigator	Project Title	Project ID
Heber, David	Diet and Estrogen Metabolism in Postmenopausal Women	CA071052

Immunologic Recognition and Control of Tumors
PA-95-064

Principal Investigator	Project Title	Project ID
Finn, Olivera J	T-Cell Immunity to Epithelial Tumor Mucins	CA056103
Ross, Gordon D	Targeting of Phagocyte & NK Cell CR3 to Tumor-Bound IC3B	CA086412

Improved Technologies for Production of Full-Length Human cDNA
CA-97-012

Principal Investigator	Project Title	Project ID
Beisel, Kirk	Micro Quantity CDNA Libraries--Breast Tumor Expression	CA076923

Improving DNA, RNA, and Protein Availability in Fixed Tissue
PAR-00-079

Principal Investigator	Project Title	Project ID
Jerry, Joseph D	Profiling Modifications of p53 by Mass Spectrometry	CA094312
Umbricht, Christopher B	Fixation of Breast and Prostate Cancer Tissue	CA091238

Informed Consent in Research Involving Human Participants
OD-97-001

Principal Investigator	Project Title	Project ID
Gribble, James	Evaluating Informed Consent in BRCA 1/2 Screening	CA076992

Informatics Support for Breast and Colon Cancer Cooperative Family Registries
CA-97-022

Principal Investigator	Project Title	Project ID
Anton-Culver, Hoda A	NCI Cooperative Family Registry for Breast and Colon Cancer Studies Informatics Center at UCI	CA078296

Innovations in Biomedical Information Science and Technology
PA-00-117

Principal Investigator	Project Title	Project ID
Mackey, Michael A	Large-Scale Digital Cell Analysis System	CA094801

Innovative Approaches to Disease Prevention through Behavior Change
OD-98-002

Principal Investigator	Project Title	Project ID
Garrison, Robert	Randomized Trial to Reduce Sedentary Behavior	CA080725

Innovative Technologies for the Molecular Analysis of Cancer
PAR-01-105, PAR-01-104, PAR-99-101, PAR-99-100

Principal Investigator	Project Title	Project ID
Chalmers, Jeffrey	Rapid Rare Cancer Cell Isolation for Molecular Diagnosis	CA081662
Churchill, Gary A	Experimental Design & Analysis for Expression Microarray	CA088327
Condeelis, John S	Novel Imaging Methods for Gene Discovery in Cancer	CA089829
Diatchenko, Luda	Profiling of Signal Transduction Pathways in Cancer	CA101271
Drees, Beth E	Phosphoinositide 3-Kinase Assays in Cancer Diagnosis	CA081835
Ferrari, Mauro	Nanomechanical Method for Molecular Analysis of Cancer	CA099089
Fresco, Jacques R	Fluorescent Tish Probes for Cancer-Relevant Sequences	CA088547
Garner, Harold	Software and Instrumentation to Identify Cancer Genes	CA081656
Gascoyne, Peter R	Integrated Isolation & Molecular Analysis of Tumor Cells	CA088364
Gerdes, John	Quantitation and Archiving of Gene Expression	CA081962
Gite, Sadanand	Novel Technology for the Analysis of Gene Expression	CA083396
Guthold, Martin	Novel, Single-Molecule Aptamer Selection Method	CA103120
Haddad, Bassem	Cytogenetic Screening of Mammary Epithelial Cells	CA084712
Henkens, Robert W	Innovative Technology for Gene Expression Studies	CA094361
Huang, Tim H	Novel Tool for Analysis of Promoter Hypermethylation	CA094441
Issa, Jean-Pierre J	Neoplasia and Methylated CpG Islands Amplification	CA089837
Jarvik, Jonathan	Technologies for Comprehensive Functional Proteomics	CA083219
Levenson, Richard M	Simple, Low-Cost, Ultra-Rapid Spectral Imaging Platform	CA088684
Li, Honghua	A Genetic Approach to Genome-Scale Analysis of Cancers	CA096309
Mach, Robert	Sigma 1 Receptor Probes for Imaging Tumor Proliferation	CA081825
Makrigiorgos, G M	Technology for Mutation Analysis of Cancer	CA083234
Malkhosyan, Sergei R	Comparative Hybridization of AP-PCR Arrays	CA083241
Mc Garrity, Gerard J	Pre-mRNA Trans-splicing for Molecular Imaging of Cancer	CA097507
Oliner, Jonathan	Reverse-Engineering Signal Transduction Networks	CA081949
Rao, Chandra	Analysis of Circulating Cancer Cells Early in Disease	CA083598
Schneider, Luke V	IDBEST Differential Display on Protein Chips	CA103085
Shackney, Stanley	Molecular Profiling of Cells by Laser Scanning Cytometry	CA083204
Sommer, Steve S	Artificial Nanotube Gels for Mutation Detection	CA094408
Tolias, Peter	Functional Cloning of DNA and RNA Binding Proteins	CA083213
Tung, Ching-Hsuan	In Vivo Imaging of Matrix Metalloprotease	CA088365
Wang, Yue J	Intelligent Mapping of Gene Expression Profiles	CA083231

Breast Cancer Progress Report—Online Supplement of RFAs and PAs

Wigler, Michael	High Density Gene Copy Number Microarrays	CA081674
Xanthopoulos, Kleonthis	Identification of Novel Breast Cancer Agents by Functional Genomics	CA081951
Yamamoto, Fumiichiro	Technology to Detect Genome-Wide DNA Methylation Changes	CA084704

Insight Awards to Stamp Out Breast Cancer PAR-99-128		
Principal Investigator	Project Title	Project ID
Avraham, Hava	Regulation of BRCA1 Signaling and Function by Heregulin	CA087290
Bennett, James	Anti-estrotrophic Peptide in the Control of Breast Cancer	CA087434
Blumberg, Bruce	The Steroid and Xenobiotic Receptor (SXR)--A Target for Breast Cancer Prevention and Treatment	CA087222
Blume, Scott	Inhibition of Breast Tumorigenicity by c-Myc Po RNA	CA087312
Blumenthal, Rosalyn	Targeted Therapy Using the Novel Tachykinin (NK) Receptor System	CA087408
Byers, Stephen	APC2 and Breast Cancer	CA087749
Chance, Britton	Breast Cancer Hypoxia Assessed by Nitric Oxide	CA087137
Chen, Wen	In Vivo Studies of a Prolactin Antagonist in SCID Mouse	CA087093
Collins, Colin	ZNF217 Mediated Cellular Immortalization in Breast Cancer	CA087522
D'Amore, Patricia	Role of WNT Signaling in Breast Cancer	CA087690
Dickson, Robert	Stem Cells in Transgenic Mouse Mammary Tumorigenesis	CA087254
Fedarko, Neal	Bone Sialoprotein and Breast Cancer Metastasis	CA087311
Fernandez-Madrid, Felix	Autoantibodies as Markers of Breast Cancer	CA087759
Fisher, Paul	Targeting Therapy of Human Breast Cancer	CA087170
Freudenheim, Jo	Breast Cancer Risk--Residential Environment and Genetics	CA087138
Garber, Judy	Breast Cancer Prevention in Hodgkin's Disease	CA087281
Gotay, Carolyn	Exploratory Study of Treatment Decision Making	CA087259
Grissom, Charles	Fluorescent Markers for Breast Cancer Surgery	CA087685
Haber, Daniel	Mutational Analysis of p53 Related Genes	CA087691
Jerry, D	Hormonal Control of p53 in Mammary Epithelium and Tumors	CA087531
Jordan, Virgil	Effect of Raloxifene on Salivary Steroids	CA087319
Junghans, Richard	Neo Antigens and Immunobiology of Medullary Breast Cancer	CA087694
Keppler, Daniel	Role of Cystatin M in Breast Tumor Progression	CA091785
Krag, David	Identification of Small Peptides Which Target Cancer Cells	CA087532
Kretzschmar, Marcus	TGF-Beta Signaling Events in Breast Cancer Progression	CA087125
Kufe, Donald	Oncogenic Signaling by the MUC1 Breast Carcinoma Antigen	CA087421
Lechleider, Robert	Gene Trapping TGF-Beta Targets in Breast Epithelial Cell	CA087303
Lemmon, Mark	Structural Studies of ErbB/HER Receptor Dimerization	CA087182
Muti, Paola	Breast Cancer Risk--Vegetables and Serum Phytosterols	CA087682
Nelson, Brad	Mouse Model to Study Immune Evasion by Mammary Tumors	CA087325
Nichols, Mark	Receptor Function in Breast Cancers with High ER Protein	CA087414
Radany, Eric H	Novel Tumor Suppressor Genes in a Transgenic Mouse Model	CA087445
Radice, Glenn	Cap Cell-Derived Tumors--Model of Invasive Breast Cancer	CA087261
Rosen, Jeffrey	Development of a Stochastic Mouse to Study Breast Cancer	CA087383
Russo, Jose	Role of Microsatellite Instability in Breast Cancer	CA087230
Sauter, Edward	Association of Nipple Aspirates with Clinical Findings	CA087391
Sheaff, Robert	Regulation of the Cell Cycle Inhibitor p27KIP1 by Reduction/Oxidation	CA087267

Breast Cancer Progress Report—Online Supplement of RFAs and PAs

Shelness, Gregory	Anti-HER2/Paclitaxel Complexes for Breast Cancer Therapy	CA087276
Shi, Yuenian	Interaction of Omega 3 Fatty Acids and a Novel Fatty Acid	CA087509
Swergold, Gary	Mutations Caused by Line 1 Transposons in Breast Cancer	CA087356
Thompson, Erik	Epithelio-mesenchymal Transition in Breast Cancer	CA087244
Vlodavsky, Israel	Involvement of Heparanase in Breast Cancer Progression	CA087085
Weinberg, Robert	Genetic Requirements for Tumorigenic Conversion	CA087081
Westbrook, Carol	Breast Cancer Metastases Genes Identified by CDNA Arrays	CA087420
Wong, Lee	Role of Mitochondrial DNA in Breast Cancer	CA087327
Yeung, Anthony	DNA Repair Polymorphisms and Sporadic Breast Cancer	CA087174
Zhang, Hui	Mechanisms of Cell Cycle Control During Mammary Gland Development	CA087441

Interactive Research Project Grants for Nutrition and Cancer Prevention
CA-93-004

Principal Investigator	Project Title	Project ID
Drewnowski, Adam	Genetic and Biobehavioral Markers of Dietary Compliance	CA061680
Ip, Clement	Mammary Cancer Prevention by Conjugated Linoleic Acid	CA061763
Spiegel, Sarah	Sphingosine Kinase and Cancer	CA061774

Interdisciplinary Collaborative Studies in the Genetic Epidemiology of Cancer
CA-93-020

Principal Investigator	Project Title	Project ID
Narod, Steven	Risk Factor Analysis of BRCA1 and BRCA2 Carriers	CA063678
Ostrander, Elaine	Population-Based Genetic Analysis of Breast Cancer	CA063705
Risch, Harvey	Genetic/Epidemiology Study of Epithelial Ovarian Tumors	CA063682
Zhao, Lue	Genetic and Environmental Determinants of Breast Cancer	CA063697

Interdisciplinary Research Teams for Molecular Target Assessment
CA-00-001

Principal Investigator	Project Title	Project ID
Disis, Mary L	Immunologic Correlates of Immunization for Cancer	CA090818
Tempero, Margaret A	Mechanism-Based Evaluations of ErbB-Targeted Agents	CA090788

Interdisciplinary Studies in the Genetic Epidemiology of Cancer
CA-98-018

Principal Investigator	Project Title	Project ID
Bernstein, Jonine L	Breast Cancer, Radiation Exposure, and the Atm Gene	CA083178

Investigator Grants for Clinical Cancer Therapy Research
CA-96-017, CA-95-102, CA-94-014

Principal Investigator	Project Title	Project ID
Armstrong, Deborah	Autologous Graft-vs-Host Disease in Human Breast Cancer	CA067800
Lyerly, H	Immunotherapy of Breast Cancer with Gene Modified Tumor	CA067793
Marshall, John	PKC Modulation in Patients with Advanced Cancer	CA071856

Breast Cancer Progress Report—Online Supplement of RFAs and PAs

Sosman, Jeffrey	IL-2-Activated Stem Cell Transplants in Breast Cancer	CA072077
Spiro, Timothy	Overcoming Alkyltransferase-Related Drug Resistance	CA075518

Investigator-Initiated Interactive Research Project Grants
PA-96-001, PA-93-078

Principal Investigator	Project Title	Project ID
Barnes, Stephen	Uptake and Actions of Genistein in Mammary Cancer Models	CA061668
Hung, Mien-Chie	E1A Gene Therapy in Breast Cancer	CA058880
Kaaks, Rudolf	Insulin, IGF-1 & Cancers of Breast, Endometrium & Ovary	CA081188
Lamartiniere, Coral	Dietary Genistein for Mammary Cancer Prevention	CA061742
Lipkus, Isaac	Increasing Colorectal Cancer Screening among Carpenters	CA063782

In-vivo Cellular and Molecular Imaging Centers (ICMICs) and Pre-ICMICs
CA-03-015, CA-01-014, CA-01-010, CA-99-004, CA-99-002

Principal Investigator	Project Title	Project ID
Bhujwalla, Zaver	Multidisciplinary Functional Imaging of Cancer	CA086346
Bhujwalla, Zaver M	Johns Hopkins University-- ICMIC Program	CA103175
Glickson, Jerry D	Mid-Atlantic in Vivo Cellular & Molecular Imaging Center	CA086255
Graham, Michael M	Molecular Imaging of Responses to Cancer Therapy	CA091709
Herschman, Harvey R	The UCLA Center for In Vivo Imaging in Cancer Biology	CA086306
Ross, Brian	In Vivo Imaging of Neoplasia	CA086442
Volkert, Wynn	Center for Single Photo-Emitting Cancer Imaging Agents	CA086290
Weissleder, Ralph	Center for Molecular Imaging Research	CA086355

Long-Term Cancer Survivors
CA-04-003, CA-97-018

Principal Investigator	Project Title	Project ID
Bloom, Joan	Young Breast Cancer Survivors—Population-Based Cohort	CA078951
Carver, Charles	Quality of Life in Adult Cancer Survivors	CA078995
Deimling, Gary	Quality of Life of Older Adult Long-Term Cancer Survivor	CA078975

Magnetic Resonance Spectroscopy and Cancer Treatment
PA-92-086

Principal Investigator	Project Title	Project ID
Brown, Truman R	Predicting Human Tumor Response by 31P Magnetic Resonance Spectroscopy	CA062556
Charles, H	Predicting Human Tumor Response by 31P Magnetic Resonance Spectroscopy	CA062554
Evelhoch, Jeffrey	Predicting Human Tumor Response by 31P Magnetic Resonance Spectroscopy	CA062555
Griffiths, John	Predicting Tumor Response by 31P Magnetic Resonance Spectroscopy	CA062558
Koutcher, Jason	Predicting Tumor Response by 31-P Magnetic Resonance Spectroscopy	CA062560

**Management of Symptoms Secondary to Treatment
PA-97-082**

Principal Investigator	Project Title	Project ID
Cohen, Susan	Menopausal Symptom Relief for Women with Breast Cancer	CA080625

***Mechanisms of Genomic Instability from the Exposure of
Mammalian Cells to High-LET Ionizing Radiation***
CA-96-010

Principal Investigator	Project Title	Project ID
Ullrich, Robert L	Genomic Instability in High LET Carcinogenesis	CA073929

Minority Enhancement Awards
CA-96-007

Principal Investigator	Project Title	Project ID
McGraw, Sarah	Screening Older Minority Women	CA073496
Smith, Delia	Breast Cancer Control in Rural Minority Primary Care	CA073486
Yancey, Antronette	African American Women Fight Cancer with Fitness (FCF)	CA073512

Minority Institution/Cancer Center Partnership Program (MI/CCP) and Planning Grants
**CA-03-010, CA-03-009, CA-03-008, CA-02-007,
CA-02-006, CA-02-005, CA-01-003, CA-01-002**

Principal Investigator	Project Title	Project ID
Abeloff, Martin D	Howard/Hopkins Cancer Centers Partnership	CA091409
Adams-Campbell, Lucile L	Howard/Hopkins Cancer Center Partnership	CA091431
Adunyah, Samuel E	Comprehensive Meharry Medical College/Vanderbilt-Ingram Cancer Center Cancer Research Partnership	CA091408
Benson, Donna J	Piedmont Alliance for Cancer Research and Education	CA091415
Byers, Tim E	Partnership to Increase Hispanic Cancer Research for Colorado	CA091398
Creek, Kim E	Training of Claflin University Minorities at the USC Cancer Center	CA096427
Flowers, Lisa C	Genomic and Proteomic Study of Cancer Disparities in Ethnic Populations	CA091393
Glaubenslee, Carolyn S	Partnership to Increase Hispanic Cancer Research and Education in Colorado	CA091489
Jackson, Sharon A	Piedmont Alliance for Cancer Research and Education	CA091434
Kimbro, Kevin S	Genomic and Proteomic Study of Cancer Disparities in Ethnic Populations	CA091366
Kondo, Norman S	University of the District of Columbia & Lombardi Cancer Center Partners in Cancer Research, Training, Education, & Outreach	CA091432
Lepore, Stephen J	Training Minorities in Biobehavioral Cancer Research	CA091411
Lopez-Berestein, Gabriel	PRCC/MDACC: Partners for Excellence in Cancer Research	CA096300
Lopez-Enriquez, Reynold	PRCC/MDACC: Partners for Excellence in Cancer Research	CA096297
Macher, Bruce A	SFSU/UCSF Comprehensive Cancer Partnership Program	CA096217
Magai, Carol L	Cancers in Older Minority Populations	CA091367
Moses, Harold L	Comprehensive Meharry Medical College/Vanderbilt-Ingram Cancer Center Cancer Research Partnership	CA091405
Neugut, Alfred I	Cancer in Older Minority Populations	CA091372

Breast Cancer Progress Report—Online Supplement of RFAs and PAs

Ramirez-Marrero, Farah A	University of Puerto Rico-Roswell Park Cancer Partnership	CA096257
Roach, Mack	SFSU/UCSF Comprehensive Cancer Partnership Program	CA096216
Stellman, Steven D	Training Minorities in Biobehavioral Cancer Research	CA091401

Minority-Based Community Clinical Oncology Program (MBCCOP)
CA-03-012, CA-02-004, CA-01-005, CA-99-009, CA-97-016

Principal Investigator	Project Title	Project ID
Adams-Campbell, Lucile L	D.C. United Minority-based CCOP	CA091105
Baez, Luis	San Juan Minority-Based Community Clinical Oncology Program	CA052667
Conrad, Marcel E	Minority-Based Community Clinical Oncology Program	CA052654
Gilbert, Jill	LSUHSC Minority-Based Community Clinical Oncology	CA063845
Infante, Anthony	South Texas Pediatric Minority-Based CCOP	CA052771
Issell, Brian F	Hawaii Minority-Based CCOP	CA063844
Lad, Thomas E	Minority-Based Community Clinical Oncology Program	CA074811
Roberts, John D	VCU Minority-Based CCOP	CA052784
Wiernik, Peter H	Minority Based Community Clinical Oncology Program	CA091151
Willman, Cheryl L	New Mexico Minority Based Community Clinical Oncology Program	CA086780
Zaren, Howard A	Cook County Hospital, Department of Surgery, Minority-Based CCOP	CA095867

Molecular and Cellular Biology of Metastatic Tumor Cells
PA-01-020, PA-98-029, PA-93-016

Principal Investigator	Project Title	Project ID
Bernard, Ora	The Involvement of Lim Kinase in Metastases	CA098229
Boles, Debra	Nonsense Mediated RNA Decay in Cancer Cells	CA077295
Cheung, Anthony	Molecular Pathways of Angiogenesis and Metastasis	CA081556
Dharmawardhane, Suranganie	Regulatory Role of RAC and CDC42 on Tumor Metastasis	CA083957
Dickson, Robert	Novel Serine Protease in Invasive Carcinomas	CA080897
Fedi, Paolo	ErbB and IL-6 in Metastatic Breast Cancer	CA082595
Kenan, Daniel	Combinatorial Probes for Discovery of Metastatic Markers	CA081088
Lubman, David	Differential Protein Expression by MALDI-TOF Mass Spectrometry	CA083808
Nakshatri, Harikrishana	Role of IL-1 Alpha in Metastasis of Breast Cancer	CA082208
Riese Ii, David	Tumor Cell Line Proliferation, Motility, and Invasiveness	CA080770
Shaw, Leslie	Integrins and D3 Phosphoinositides in Cancer	CA081325
Toker, Alex	Phospholipase C Signaling in Integrin-mediated Carcinoma	CA082695
Tondravi, Mehrdad	Inhibition of Breast Cancer Metastasis to Bone	CA084636
Weilbaecher, Katherine	Role of Beta 3 Integrin in Skeletal Metastasis	CA097250
Weinberg, Robert A	Molecular Mechanisms of Metastasis in a Mammary Tumor Model	CA096689

Molecular Interactions between Tumor Cells and Bone
CA-03-013

Principal Investigator	Project Title	Project ID
Li, Rongbao	Pyk2 & Therapeutic Strategies: Cancer-Induced Osteolysis	CA102998
Matrisian, Lynn M	Developing the Coral Implant Model of Bone Metastasis	CA103079

Breast Cancer Progress Report—Online Supplement of RFAs and PAs

Sanderson, Ralph D	Heparanase in Osteolytic Bone Metastasis	CA103054
--------------------	--	----------

Molecular Target Drug Discovery for Cancer
PAR-01-046, PAR-01-045, PAR-00-061, PAR-00-060

Principal Investigator	Project Title	Project ID
Bamdad, Cynthia	Modular Nanotechnologies for Cancer Drug Screening	CA084678
Berg, Patricia E	A Novel HOX Gene Target in Breast Cancer	CA091149
Christman, Judith	De novo DNA Methyltransferases as Anticancer Drug Targets	CA091315
Dadachova, Ekaterina	Rhenium-188 Therapy of NIS-Expressing Breast Tumors	CA095377
Davisson, Vincent	Enzyme Targets, Apoptosis, and Purine Metabolism	CA091116
Gartel, Andrei L	p21 Transcriptional Inhibitors as Proapoptotic Compounds	CA091146
Geballe, Adam	Translation Termination--a Chemotherapeutic Target?	CA091329
Glazer, Robert I	Structure-Based Discovery of Akt Inhibitors	CA095378
Hu, Guo-Fu	Inhibition of Angiogenin Enhanced rRNA Transcription	CA091086
Kraft, Andrew S	Pim 1 Protein Kinase as a Target for Drug Discovery	CA095183
Lee, Jiing-Dwan	Novel Effectors in ErbB3 Mediated Signaling	CA095353
Pierce, J Michael	GLCNAC TV Regulation of Cell Surface Structure/Function	CA064462
Polunovsky, Vitaly	Translational Apparatus as a Target for Drug Discovery	CA091220
Reiss, Michael	TGF-Beta Receptor Antagonists as Anticancer Agents	CA094431
Sporn, Michael B	New Triterpenoids for Chemoprevention of Cancer	CA078814
Synold, Timothy	SXR as a Therapeutic Target in Drug-Resistant Cancer	CA091135
Watt, Paul	Inhibition of Telomerase Activity in Breast Cancer	CA091150
Yun, Jong	Targeting the Cysteine Rich Domain of Protein Kinase C	CA091155

Mouse Models of Human Cancer Consortium
CA-98-013

Principal Investigator	Project Title	Project ID
Coffey, Robert J	Mouse Cancer Models via TGF-Beta RII Loss	CA084239
Lee, Eva Y	Mouse Cancer Models by Regulated Inactivation of Tumor Suppressors	CA084241
Medina, Daniel M	Mouse Models of Human Breast Cancer	CA084243

Multidisciplinary Research on the Etiology and Prevention of Breast Cancer
PA-93-112

Principal Investigator	Project Title	Project ID
Curley, Robert W	Analog Studies of 4-HPR and Its Glucuronide	CA049837
Jacobson, Elaine	NAD and Prevention of Mammary Carcinogenesis	CA065579
Kline, Kimberly	Human Breast Cancer Cell Growth Inhibition by Vitamin E	CA059739
Lu, Lee-Jane	Phytoestrogens and Breast Cancer Prevention	CA065628
Reddy, Premkumar	TMIF--A Novel Growth Inhibitory Factor/Breast Carcinoma	CA065779
Toniolo, Paolo	New York University Women's Health Study	CA034588

Multi-institutional Cooperative Agreements for Clinical Evaluation of Magnetic Resonance Imaging in Breast Cancer
CA-96-012

Principal Investigator	Project Title	Project ID
Gatsonis, Constantine	Multicenter Clinical Evaluation of MRI in Breast Cancer	CA074696
Schnall, Mitchell D	Clinical Study of MRI in Breast Cancer	CA074680

National Cooperative Drug Discovery Groups (NCDDGs)
CA-99-010, CA-95-020, CA-94-007

Principal Investigator	Project Title	Project ID
Crews, Phillip O	Molecular Approaches to Discover Marine Natural Product	CA052955
Horwitz, Jerome	Discovery of New Anticancer Agents from Natural Products	CA053001
Ireland, Chris	Anticancer Agents from Unique Natural Products Sources	CA067786
Jaffee, Elizabeth M	Antigen-Specific Vaccines for Breast Cancer	CA072108
Kinghorn, Alan D	Novel Strategies for Plant-Derived Anticancer Agents	CA052956
Levy, Ronald	GM/CSF Fusion Proteins & Dendritic Cells as Tumor Vaccines	CA072103

Network for Translational Research: Optical Imaging
CA-03-002

Principal Investigator	Project Title	Project ID
Tromberg, Bruce J	Breast Cancer Multi-dimensional Diffuse Optical Imaging	CA105480

New Therapeutic Approaches for Breast Cancer
CA-94-004

Principal Investigator	Project Title	Project ID
Bank, Arthur	Chemoprotection of Hematopoietic Cells by MDR Gene Transfer	CA065838
Chatterjee, Malaya	New Therapeutic Approaches to Breast Cancer	CA065748
Davidson, Nancy	New Therapeutic Approaches for Breast Cancer	CA066084
Kumar, Rakesh	HER2 Pathway in Breast Cancer Progression and Treatment	CA065746
Lee, William	Adenovirus-Delivered B7 in Breast Cancer Immunotherapy	CA065805

Non-mammalian Organisms as Models for Anticancer Drug Discovery
PA-01-042, PAR-99-020, PAR-99-019

Principal Investigator	Project Title	Project ID
Bitter, Grant	Yeast Cell-Based Screen for Breast Cancer Therapeutics	CA084148
Li, Rong	Using Yeast to Identify the Targets of BRCA1	CA083990

Novel Technologies for Evaluation of Molecular Alterations in Tissue
CA-97-011

Principal Investigator	Project Title	Project ID
Highsmith, William	Development of a Fluorescent Protein Truncation Test	CA077033
Kenan, Daniel	Tissue-Specific Probes from Combinatorial Libraries	CA077042
Lam, Kit	Peptide Substrate for Unique Protein Kinase in Tissue	CA078868
Liang, Peng	Streamlining Differential Display Technology	CA076960

Rabinovitch, Peter	Cell Sorting for DNA and RNA Array Analysis of Neoplasma	CA078855
--------------------	--	----------

***Overcoming Barriers to Treatment Adherence in Minorities
and Persons Living in Poverty***
HL-01-005

Principal Investigator	Project Title	Project ID
Ell, Kathleen R	Improving Patient Adherence to Cancer Treatment	CA094827

Phase I Trials of Anti-cancer Agents
CA-97-001

Principal Investigator	Project Title	Project ID
Doroshov, James H	Phase I Molecular and Clinical Pharmacodynamic Trials	CA062505
Muggia, Franco	Phase I Studies of Anticancer Drugs and Gene Therapy	CA076642

Phase II Trials of New Anti-cancer Agents
CA-93-009

Principal Investigator	Project Title	Project ID
Berger, Nathan	Phase II Trials of Topoisomerase I Inhibitors	CA063200
Donehower, Ross	Phase II Trials of New Anticancer Agents	CA063437
Doroshov, James	Pharmacodynamic Phase II Breast, Lung, and Ovary Trials	CA063265
Grever, Michael	Phase II Clinical Trials Consortium	CA063185

Pivotal Clinical Trials for Chemoprevention Agent Development
CA-98-001, CA-97-014

Principal Investigator	Project Title	Project ID
Decensi, Andrea	Low-Dose Tamoxifen and 4HPR in Early Breast Cancer	CA077188
Fabian, Carol	Chemoprevention by Selective Estrogen Receptor Modulator	CA079452
Fabian, Carol J	Chemoprevention for Women at High Risk of Breast Cancer	CA077165
Spicer, Darcy	GnRH Agonist Regimen for Breast Cancer Prevention	CA079428

***Prevention Clinical Trials Utilizing Intermediate Endpoints and
Their Modulation by Chemopreventive Agents***
CA-96-001

Principal Investigator	Project Title	Project ID
Djuric, Zora	Dietary Intervention--Women at High Risk for Breast Cancer	CA072297
Veronesi, Umberto	IGF-I Modulation by 4-HPR and Breast Cancer Risk	CA072286

Quick Trials for Novel Cancer Therapies
PAR-03-005, PA-00-047, PA-99-070

Principal Investigator	Project Title	Project ID
Kaumaya, Pravin T	Phase 1B Active Immunotherapy with HER-2 Multi-Epitope V	CA094555
Klimberg, V Suzanne	Percutaneous Removal & Margin Ablation for Breast Cancer	CA097715
Krag, David N	In Vivo Selection of Ligands for Targeted Therapy	CA097679
Lyerly, Kim H	Immunotherapy with TRICOM-Modified Dendritic Cells	CA094523

Breast Cancer Progress Report—Online Supplement of RFAs and PAs

Pierce, Lori J	Intensity-Modulated Radiation Therapy in the Treatment of Node-Positive Breast Cancer	CA099254
Rowinsky, Eric K	ErbB1 and ErbB2 Blockade in Advanced Breast Cancer	CA099250
Scher, Howard	Biologic Effects of 17AA Geldanamycin	CA085506
Serody, Jonathan	Immunotherapy for Metastatic Breast Cancer	CA089961
Truica, Cristina I	EGFR Pathway Modulation in DCIS of the Breast	CA101357
Von Mehren, Margaret	Evaluation of the Vaccine RF-CEA(6D)/Tricom +/-GM-CSF	CA092992
Wallace, Anne M	A Phase II Study of a New Sentinel Node Radiotracer	CA097643

Regional Variation in Breast Cancer Rates in the U.S.
CA-98-017

Principal Investigator	Project Title	Project ID
Goodwin, James	Variations in Breast Cancer Treatment and Mortality	CA081773
Remington, Patrick L	Regional Variation of Breast Cancer Rates in Wisconsin	CA082004
Reynolds, Peggy	Regional Variations in Breast Cancer Rates in California	CA081789
Sheehan, T	Geographic Distribution of Breast Cancer	CA081763
Zheng, Tongzhang	GST, Environment Factors, and Breast Cancer Risk	CA081810

Research on Care at the End of Life
NR-99-004

Principal Investigator	Project Title	Project ID
Herschman, Harvey R	The UCLA Center for In Vivo Imaging in Cancer Biology	CA086306

Shared Resources for Scientists Outside NCI Cancer Centers
CA-01-020, PAR-99-127, PAR-98-092

Principal Investigator	Project Title	Project ID
Godbold, James	Biostatistical CORE for Cancer Research	CA088282
Henderson, Scott C	Advanced Microscopy Shared Resource Facility	CA095823
Mann, Dean	Flow Cytometry Applications in Cancer Biology	CA082888
Mayo, Matthew S	Biostatistics/Informatics Shared Resource	CA095835
Norris, James S	Viral Vector CORE Facility	CA088163
O'Brien, Thomas G	The Mutant Mouse Production and Characterized Resource	CA082903
Van Breemen, Richard B	CORE Mass Spectrometry Resource for Cancer Research	CA083124

Small Grants for Therapeutic Clinical Trials of Malignancies*
PAR-97-006, PAR-95-023

Principal Investigator	Project Title	Project ID
Avigan, David	rh IL-12 Following High-Dose Chemotherapy	CA079433
Cagnoni, Pablo	High-Dose Radioimmunotherapy for Breast Cancer	CA077131
Dipaola, Robert	Retinoid, Interferon, and Taxol Effects in Breast Cancer	CA080654
Manfredi, James	p53 and Breast Cancer Chemotherapeutic Response	CA079436
O'Donnell, Paul	Allogeneic BMT for Metastatic Breast Cancer	CA080831

* In 2000, replaced by the Quick Trials for Novel Cancer Therapies.

Small Grants Program for Behavioral Research in Cancer Control PAR-02-037, PAR-99-006, PAR-95-091		
Principal Investigator	Project Title	Project ID
Albright, Cheryl	Shared Decision Making for Breast Cancer Rescreening	CA078184
Anderson, Cheryl	Prevention through Physical Activity--Parental Influence	CA090185
Angell, Karyn	Is Breast Cancer Stage of Disease Influenced by Stress?	CA083339
Bass, Sarah	Use of Internet Health Information by Cancer Patients	CA090145
Bayer, Laura A	Breast Cancer Patient & First-Degree Relative Dyads: Interaction & Impacts	CA094773
Bettencourt, B A	Rural Women Breast Cancer Survivors	CA097916
Bowman, Karen	Family Members and the Survivorship Phase of Cancer	CA091577
Byrne, Timothy	Antibody-Based Assay to Defect BRCA1 Protein Truncations	CA078182
Chirikos, Thomas	Long-Term Economic Impact of Surviving Breast Cancer	CA083236
Ferguson, Robert	Cognitive Behavioral Treatment of Memory Problems	CA090151
Fisher, Susan	Behaviors after Familial Breast Cancer Mortality	CA083378
Frank, Erica	Women Physicians Health Study--Cancer Prevention	CA071434
Giesler, R Brian	African-American Breast Cancer Survivor Quality of Life	CA097737
Goel, Anupam	Driving Distance and Mammography Utilization in Vermont	CA101493
Holt, Cheryl L	Spiritually-Based Breast Cancer Communication	CA097741
Juon, Hee-Soon	Cancer-Screening Behavior in Korean American Women	CA084814
Kumar, Nagi	Specific Role of Genistein in Estrogen Metabolism	CA072588
Moadel, Alyson	Effects of Yoga on Quality of Life during Breast Cancer	CA088598
Montgomery, Guy	Impact of Hypnosis for Breast Surgery Side Effects	CA086562
Omalley, Ann	Primary Care & Cancer Screening in Low-Income Women	CA083338
Park, Chung	Lipotrope-Mediated Programmed Cell Death in MCF-7 Cells	CA078179
Risendal, Betsy C	Quality of Life, Ethnicity, and Breast Cancer Survivors	CA099830
Rock, Cheryl L	Hormones during Weight Loss in Breast Cancer Survivors	CA101489
Roper, Kimberly D	Hormones, Quality of Life & Breast Cancer Support Groups	CA099488
Schootman, Mario	Geographic Information Systems, Multilevel Modeling, and Breast Cancer Screening	CA091734
Shapiro, Shauna L	Stress Reduction for Women with Breast Cancer	CA083342
Tager, Felice A	Cognitive Effects of Breast Cancer Treatment	CA096422
Woods, Teresa E	Exercise in a Stage IV Breast Cancer Sample: A Feasibility Pilot	CA091732
Yu, Mei-Yu	Cultural Beliefs and Breast Cancer Screening	CA086594
Zabora, James	Family Dynamics and Problem-Solving Education for Caregivers	CA088769

Small Grants Program for Cancer Epidemiology PAR-03-010, PA-01-021, PAR-98-023, PAR-95-077		
Principal Investigator	Project Title	Project ID
Abraido-Lanza, Ana	Cancer-Related Behaviors among Latinos and Non-Latino Whites	CA081619
Aickin, Mikel G	Development of a Model for Causal Latent Factors	CA094750
Bale, Allen E	Breast Cancer Genes in Mexican Populations	CA089791
Boyd, Norman	Mammographic Densities in Chinese and Caucasian Women	CA086206
Brody, Julia G	Risk Factors for Ductal Carcinoma In Situ (DCIS)	CA103478
Byers, Tim	Preeclampsia and Risk of Breast and Endometrial Cancer	CA078203

Breast Cancer Progress Report—Online Supplement of RFAs and PAs

Cerhan, James	Epstein-Barr Virus and Postmenopausal Breast Cancer	CA088207
Cook, Linda	Tamoxifen Therapy and Risk of Colorectal Cancer	CA072387
Davis, Scott	Magnetic Fields, Medications, and Breast Cancer	CA081614
Dignam, James	Obesity and Outcomes after Early-Stage Breast Cancer	CA099508
Fedi, Paolo	Validation of ErbB-3 Immunostaining in Breast Tumor	CA078195
Fowke, Jay	Isothiocyanate Excretion, Brassica, and Breast Cancer	CA089842
Frazier, Lindsay	Predictors of Menarche	CA106238
Friesen, Marlin D	Estrogen Metabolite Analysis in Blood	CA096398
Gulley, Margaret L	Development of Assays to Detect EBV in Breast Cancers	CA101500
Habel, Laurel	Mammographic Density and Breast Cancer after DCIS	CA083135
Haile, Robert	Star and SF-1: Estrogen Synthesis and Breast Cancer Risk	CA080635
Hankinson, Susan	Urinary Estrogen Metabolites and Breast Cancer Risk	CA086271
Keefe, Thomas	Historical Prospective--Organochlorines/Breast Cancer	CA075329
Kendzioriski, Christina	Pooling Designs for Microarray Studies	CA103522
Kerber, Richard	Markov Chain Monte Carlo for Very Large Pedigrees	CA084560
Khan, Seema	Normal Breast Estrogen Response & Breast Cancer Etiology	CA081610
Kurzer, Mindy	Rapid Method for Analysis of Estrogen Metabolites	CA081603
Kurzer, Mindy	Estrogen/DNA Adduct Analysis in Urine	CA083097
Lacroix, Andrea	Bone Density, Endogenous Hormones & Breast Cancer Risk	CA075935
Lampe, Johanna	Development and Evaluation of a Soyfood Questionnaire	CA080648
Lee, I-Min	Physical Activity and Risk of Breast Cancer	CA081611
Malone, Kathleen	Adiposity-Related Biomarkers and Breast Tumor Size	CA091251
Maskarinec, Gertraud	Breast Density, IGF-I & Prolactin in Four Populations	CA105948
Maskarinec, Gertraud	Planning a Hawaii/Japan Mammographic Density Study	CA081620
Mueller, Beth A	Smoking during Pregnancy and Breast Cancer	CA096434
Pathak, Dorothy R	Breast Cancer Gene-Diet Interactions in Polish Women	CA092838
Pathak, Dorothy R	Breast Cancer Gene-Diet Interaction US Polish Migrants	CA096436
Peeters, Petra H	Variations in Plasma Phytoestrogen Levels in Europe	CA099846
Persson, Rolf	Genetic Susceptibility to Hormonal Carcinogenesis	CA083114
Richardson, Barbara	Steroid Hormones, Alpha-Fetoprotein and Breast Cancer	CA075953
Rockhill, Beverly	Predicting Individual Occurrence of Breast Cancer	CA080620
Rosenberg, Carol	Genetic Profile of Breast Cancer in Women Exposed in Utero	CA084551
Rossing, Mary	Breast Cancer Repository for Molecular Epidemiology	CA083080
Rossing, Mary	Cancer Prevention by H2 Blockers--An Epidemiologic Study	CA075936
Rossing, Mary A	Use of Antidepressants and Risk of Breast Cancer	CA094745
Samet, Jonathan	Weight Cycling and Postmenopausal Breast Cancer	CA080658
Samet, Jonathan M	Risk Factors for Breast Cancer in Orange County, Florida	CA094776
Schoenfeld, Elinor	Assessment of Urinary Melatonin in Epidemiologic Studies	CA081624
Scribner, Richard A	Exploration of Obesity Risk for Cancer Prevention	CA103484
Semenza, Jan C	Trichloroethylene Exposure Assessment	CA094685
Trichopoulos, Dimitrios	Diet and Estrogen Receptors in Normal Mammary Tissue	CA089823
Tseng, Marilyn	Dietary Soy/Isoflavones and Urinary Estrogen Metabolites	CA096414
Yager, James D	Mitochondrial Superoxide Dismutase & Breast Cancer Risk-Mechanism	CA094747
Yu, Herbert	Diet and Lifestyle Related Insulin-Like Growth Factor I	CA080704

Breast Cancer Progress Report—Online Supplement of RFAs and PAs

Yu, Herbert	Estrogen and Insulin-Like Growth Factors in Breast Cancer	CA083050
Zheng, Wei	Activity of P450/1A2 and 3A4 and Breast Cancer Risk	CA080655
Zheng, Wei	Urinary Phytoestrogen Excretion and Breast Cancer Risk	CA090990

Special Populations Networks (SPNs)
CA-99-003

Principal Investigator	Project Title	Project ID
Chen, Moon S	Asian American Network for Cancer Awareness, Research & Training	CA086322
Gany, Francesca	Cancer Awareness Network for Immigrant Minority Population	CA086286
Henry-Tillman, Ronda	Arkansas Special Populations Access Network (A-SPAN)	CA086081
Hubbell, F A	Pacific Islander Cancer Control Network	CA086073
Myers, Ronald E	Increasing Access to Clinical and Educational Studies	CA086084
Partridge, Edward E	Deep South Network for Cancer Control	CA086128
Ramirez, Amelie G	Redes En Accion--Cancer Awareness, Training and Research	CA086117
Satcher, David	National Black Leadership Initiative on Cancer II: Cancer Control, Research and Training Network	CA086274
Wyatt, Stephen	The Appalachia Cancer Network	CA086096

Specialized Programs of Research Excellence (SPOREs) in Breast Cancer
PAR-03-158, PAR-02-126, PAR-01-110, PAR-00-087, PAR-99-167, CA-98-008, CA-94-027

Principal Investigator	Project Title	Project ID
Arteaga, Carlos L	SPORE in Breast Cancer-Vanderbilt University	CA098131
Bland, Kirby I	SPORE in Breast Cancer-University of Alabama, Birmingham	CA089019
Davidson, Nancy E	SPORE in Breast Cancer-Johns Hopkins University	CA088843
Dickson, Robert B	SPORE in Breast Cancer-Georgetown University	CA058185
Earp, H Shelton	SPORE in Breast Cancer-University of North Carolina	CA058223
Gray, Joe W	SPORE in Breast Cancer-University of California, San Francisco	CA058207
Iglehart, James D	SPORE in Breast Cancer-Dana Farber/Harvard	CA089393
Jordan, Virgil C	SPORE in Breast Cancer-Northwestern University	CA089018
Lyerly, Herbert K	SPORE in Breast Cancer-Duke University	CA068438
Norton, Larry	SPORE in Breast Cancer-MSKCC	CA068425
Osborne, Charles K	Translational Research in Breast Cancer-Baylor College of Medicine	CA058183

Stages of Breast Development: Normal to Metastatic Disease
PA-99-162

Principal Investigator	Project Title	Project ID
Anderson, Robin L	Genes Important in Breast Cancer Metastasis	CA090291
Cardiff, Robert D	Biology of Neoplastic Transformation in Breast Cancer	CA089140
Cutler, Mary L	Role of RAS Effectors in Mammary Differentiation	CA090908
Haslam, Sandra Z	Role of Stroma in Mammary Gland Cell Proliferation	CA040104
Hyder, Salman M	Progestin Regulation of VEGF in Breast Cancer Cells	CA086916
Jones, Frank E	ErbB4 Signaling in the Normal and Neoplastic Breast	CA095783
Jones, Frank E	Influence of ErbB4 Activity on Metastatic Breast Cancer	CA096717
Kleinberg, David L	Mammary Carcinogenesis: Growth Hormone and IGF-I	CA064709
Kumar, Rakesh F	PAK1 in Mammary Gland Development and Carcinogenesis	CA090970

Breast Cancer Progress Report—Online Supplement of RFAs and PAs

Lee, Adrian V	IRS1 and 2 Signaling in Mammary Development and Cancer	CA094118
Liao, Dezhong J	c-Myc Growth Factor and Breast Cancer	CA100864
Mercurio, Arthur M	Mechanisms of Breast Carcinoma Survival	CA089209
Miller, Fred R	Proteomics of Progression in MCF-10 Xenograft Model	CA090503
Mor, Gil G	Fas/FasL System in Normal Mammary Gland Development	CA092435
Pollard, Jeffrey W	CSF-1, Macrophages & Mammary Gland Development and Cancer	CA094173
Polyak, Kornelia	Hin-1, a Novel Putative Breast Tumor Suppressor Gene	CA094074
Rosen, Jeffrey M	Hormonal Regulation of Breast Cancer	CA016303
Seewaldt, Victoria L	Extracellular Matrix-Mediated Apoptosis in p53(-) HMECs	CA088799
Serra, Rosa A	TGF-Beta in Stromal Epithelial Interactions in Mammary Gland	CA091974
Serrero, Ginette	PC Cell-Derived Growth Factor in Human Breast Cancer	CA085367
Shull, James D	Genetic Susceptibility of Estrogen-Induced Mammary Cancer	CA077876
Stern, David F	Signaling by Neuregulins and ErbB4 in Breast Cancer	CA080065
Wagner, Kay-Uwe	Tumor Susceptibility Gene 101 Deficiency and Neoplasia	CA093797
Wysolmerski, John J	The Effect of PTHrP during Lactation	CA094175
Zhu, Yijun	Coactivators in Breast Development and Tumorigenesis	CA088898

**Structural Biology of Membrane Proteins
PA-02-108, PA-02-060, PA-99-004, PA-95-035**

Principal Investigator	Project Title	Project ID
Marassi, Francesca M	Structure of Mammary Tumor MAT8 and the FXD Proteins	CA082864

**Studies on the Prevention, Etiology, Control, Biology,
Diagnosis, or Treatment of Breast Cancer
PA-93-083**

Principal Investigator	Project Title	Project ID
Bjeldanes, Leonard F	Regulation of Tumor Angiogenesis by Dietary Indoles	CA069056
Bourguignon, Lilly Y	CD44 Variant (CD44V) and Cytoskeleton Proteins in Breast Cancer Progression	CA066163
Deb, Sumitra	Breast Cancer Etiology--p53 Gain-of-Function Mutations	CA070712
Deb, Swati	Overexpression of MDM2 in the Etiology of Breast Cancer	CA074172
Dudley, Jaquelin	Transcriptional Regulation and Tumorigenesis by MMTV	CA034780
Hagedorn, Curt	Disruption of Cell Cycle Genes in Breast Cancer	CA063640
Hall, Eric	Radiological Studies at Low Dose Rate	CA024232
Hankinson, Susan E	Biochemical Markers in the Nurses' Health Study Cohort	CA049449
Hunter, David J	Cohort Study of Genetic Susceptibility to Breast Cancer	CA065725
Ip, Margot	Modulation of Mammary Proliferation and Differentiation	CA033240
John, Esther	Breast Cancer Risk Factors in Hispanic Women	CA063446
Lockett, Stephen	3D Analysis of Genetic Instability in Breast Cancer	CA067412
Medina, Daniel M	Mechanisms of the Hormonal Prevention of Breast Cancer	CA064255
Quaranta, Vito	Integrins in Cancer Invasion	CA047858
Sonnenschein, Carlos	Mechanism of Hormone Action on Cells in Culture	CA013410
Strange, Robert	Apoptosis in the Genesis and Prevention of Breast Cancer	CA063662
Willett, Walter C	Risk Factors for Breast Cancer among Younger Nurses	CA050385
Yoneda, Toshiyuki	Breast Cancer and Bone Metastasis	CA063628

Breast Cancer Progress Report—Online Supplement of RFAs and PAs

Yu, Dihua	ErbB2 Receptor Signaling and Breast Cancer Metastasis	CA060488
-----------	---	----------

Surgical Oncology
PA-92-81

Principal Investigator	Project Title	Project ID
Cance, William G	Focal Adhesion Kinase--Tumor Biology and Therapeutics	CA065910
Fox, Sarah	Increasing Screening Mammography through Urban Churches	CA065880
Lane, Dorothy	Reducing Barriers to the Use of Breast Cancer Screening	CA060129
Peterson, Jerry	Radioimmunotherapy of Breast Cancer	CA062352

**Technologies for Comprehensive, Sensitive, and Quantitative
Protein Analysis in Human Tumors**
CA-01-011

Principal Investigator	Project Title	Project ID
Smith, Richard	Technology for Global and Quantitative Proteome Analysis	CA093306

Therapeutic Modulation of Angiogenesis in Disease
PAR-98-096

Principal Investigator	Project Title	Project ID
Heffelfinger, Sue C	Mammary Tumor Chemoprevention by Angiogenic Inhibitors	CA082996
Iruela-Arispe, Luisa	Therapeutic Antiangiogenesis	CA086256
Moses, Marsha	Novel Angiogenesis Inhibitor from Cartilage	CA083106
Nalcioglu, Orhan	Investigation of Angiogenic Function in Cancer by MRI	CA086215
Shoji, Mamoru	Inhibition of Tissue Factor-Mediated Angiogenesis	CA082995
Van Dyke, Terry	Anti-angiogenesis Gene Therapy for De Novo Tumors	CA086310

Translational Investigator Grants for Cancer Prevention and Control
CA-96-013, CA-94-017

Principal Investigator	Project Title	Project ID
Maxwell, Annette	Breast & Cervical Cancer Screening among Filipino Women	CA074576
Perry, Melissa	Interventions to Reduce Cancer Risk among Farm Families	CA071083
Royak-Schaler, Renee	Breast Cancer Risk/Symptom Care in Black Women 40-49 Years of Age	CA068336