

FY2003 Etiology Projects

Table B-7

NCI Projects Supported in 2003 Addressing the PRG Priority: What types of intermediate markers would be useful to advance our understanding of mechanisms involved in breast carcinogenesis?

Principal Investigator	Title	RFA or PA	Project ID
Ahlquist, Paul G	Novel Approaches to Detect Virus-Cancer Associations	AI01-004	CA097944
Akhmedkhanov, Arslan A	Pregnancy Hormonal Profile/Biomarker Breast Cancer Risk	PAR00-025	CA095923
Albertson, Donna	Genomic Analysis of Estrogen Receptor-negative Breast Cancer	CA03-005	CA101359
Ambs, Stefan	The Molecular Profile of Inflammatory Breast Cancer		RC010500
Baylin, Stephen B	Methylation of the Calcitonin Gene in Human Tumors		CA043318
Berg, Patricia E	A Novel HOX Gene Target in Breast Cancer	PAR01-045	CA091149
Birrer, Michael J.	The Use of Transcriptional Factors as Targets and Agents in Carcinogenesis		SC000165
Brinton, Louise	Extended Follow-Up of Columbia, Missouri Serum Bank Participants		CP010126-Sub-01103
Bromberg, Jacqueline F	Role of STAT3 in Breast Cancer Tumorigenesis		CA087637
Brown, Powel H	Prevention of ER-negative Breast Cancer	CA03-005	CA101211
Buolamwini, John K	Nucleoside Transporters as Chemoprevention Targets		CA101856
Cavalieri, Ercole L	Molecular Origin of Cancer--Catechol Estrogen-3, 4-Quinones		CA049210
Cavalieri, Ercole L	Molecular Origin of Cancer--Catechol/Semiquinone/Quinone		CA049917
Cheng, Jin Q	AKT1 Oncogene in Carcinogenesis		CA089242
Chodosh, Lewis A.	Mechanisms of Progression in c-Myc-induced Breast Cancer		CA093719
Couch, Fergus J	Characterization of the Chromosome 17q23 Amplicon		CA087898
Daling, Janet R	Tamoxifen & Second Breast Cancer: Epidemiology/Pathology		CA097271
Darzynkiewicz, Zbigniew	Probes for Cytometry		CA028704
El-Bayoumy, Karam E.	Nitroaromatics and Breast Cancer		CA035519
Fabian, Carol	A Study to Identify Biomarker Modulation by Cyclooxygenase-2 (COX-2) Inhibitors in Breast Tissue of Premenopausal Women		CN015135
Felton, James S	Carcinogenic Significance of Heterocyclic Amines		CA055861
Fuqua, Suzanne A	A Hypersensitive Estrogen Receptor-alpha Mutant in Breast Cancer Progression		CA072038
Furmanski, Philip	Determinants of Treatment Response in Cancers		CA096809
Gazdar, Adi F	Markers for Risk Assessment/Early Detection of Lung and	CA98-028	CA084971
Gould, Michael N	Secreted Proteins as Breast Cancer Prevention Markers	CA03-005	CA101201
Habbema, J D	Surveillance of Breast Cancer Trends--The MISCAN Model	CA99-013	CA088202
Hankinson, Susan E	Premenopausal Hormone Levels and Risk of Breast Cancer		CA067262
Hartge, Patricia	The Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial - Ovarian Cancer and Precursors		CP010171-Sub-00030
Harvell, Dijuana M	Modulation of Estrogen-Regulated Genes by Progesterone Receptor Isoforms		CA103511

Principal Investigator	Title	RFA or PA	Project ID
Hoover, Robert	Early Life Exposures and Subsequent Cancer Risk		CP010168
Hoover, Robert	Pregnancy Hormone Levels in Maternal and Cord Blood: Associations with Maternal and Perinatal Characteristics Related to Cancer in Offspring		CP010168-Sub-01132
Hoover, Robert	The Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial - Breast Cancer		CP010171-Sub-10023
Kaufmann, William K	G2 Checkpoint Function in Human Fibroblasts		CA081343
Keri, Ruth A	Regulation of ErbB2 Induced Mammary Gland Cancer		CA090398
Kerlikowske, Karla M	San Francisco Mammography Registry--A Research Resource	CA98-025	CA063740
Kleer, Celina G	Role of LIBC in Inflammatory Breast Cancer Phenotype		CA090876
Konstantin, Christov	Preclinical Evaluations of Intermediate Endpoints and Their Modulation of Chemoprevention		CN015112
Krop, Ian E	Characterization of Hin1 Putative Tumor Suppressor		CA094787
Kumar, Rakesh F	Targeting Urokinase Pathway for Breast Cancer Therapy		CA088923
Lacey, James	Bone Mineral Density and Subsequent Cancer Risk		CP010128-Sub-01063
Lampe, Johanna W	Breast and Bone Density: Impact of Colonic Environment		CA097366
Lampe, Johanna W	Hormone Status Postmenopause: Colonic Bacterial Effects	PAR00-025	CA097475
Le Beau, Michelle M.	Molecular Analysis of Chromosomal Fragile Sites		CA041644
Lee, Wen-Hwa	DNA Repair and Tumor Suppressor Genes		CA081020
Lin, Jiayuh	Regulation of STAT3 by p53 in Cancer Cells		CA096714
Liu, Xuan	Regulation of p53 by TAFII250		CA075180
Loeb, Lawrence A	Oxygen Induced DNA Damage, Mutations and Cancer		CA080993
Lucito, Robert D	Application of Genomic Microarrays to Breast Cancer		CA093634
Marks, Jeffrey R.	Expression Based Markers for Breast Cancer Detection	CA98-028	CA084955
Martin, Stuart S	Actin-regulated Apoptosis in Mammary Tumorigenesis		CA096555
Maskarinec, Gertraud	Breast Density, IGF-I, & Prolactin, in Four Populations	PAR03-010	CA105948
Medina, Daniel M.	Mechanisms of the Hormonal Prevention of Breast Cancer	PA93-083	CA064255
Meric, Funda	Role of Nuclear Tyrosine Kinase in Breast Cancer		CA091834
Merino-Neumann, Maria J.	Gene Expression Profiling of Microdissected Normal, Invasive and In Situ Carcinoma of Breast through the use of Nucleic Acid Array.		SC009361
Miksicek, Richard J	Characterization of a Novel Breast-Specific Mucin Gene	PA01-010	CA094943
Mincey, Betty A	Mammographic Density as a Predictor of Breast Cancer		CA094974
Modugno, Francesmary	Serum Markers of Breast /Ovarian Cancer Risk	PA01-015	CA095113
Pinzone, Joseph J	Beta Protein 1 and Nuclear Hormone Signaling in Breast Cancer		CA101875
Pommier, Yves	DNA Topoisomerases as Targets of Action for Anticancer Drugs		BC006161
Reddy, E P	Myb Gene Family and Breast Cancer		CA079086
Rohan, Thomas E	p53 in Benign Breast Disease and Breast Cancer Risk: A Multicenter Cohort	PA01-015	CA095661
Roninson, Igor B	Accelerated Senescence in Tumor Cells		CA089636

Principal Investigator	Title	RFA or PA	Project ID
Rosenberg, Robert D	New Mexico Mammography Project	CA98-025	CA069976
Schairer, Catherine	Serum Levels of Sex Steroid Hormones and Insulin and Insulin-like Growth Factors and Breast Cancer and Benign Breast Disease		CP010182-Sub-01100
Scribner, Richard A	Exploration of Obesity Risk for Cancer Prevention	PAR03-010	CA103484
Serrero, Ginette	PC Cell Derived Growth Factor in Human Breast Cancer	PA99-162	CA085367
Singh, Sonia	Minority Predoctoral Fellowship Program		CA092816
Sporn, Michael B	Chemoprevention of ER-negative Breast Cancer	CA03-005	CA101207
Telang, Nitin	Preclinical Evaluation of Intermediate Endpoints and their Modulation by Chemoprevention Agents		CN025018
Thorgeirsson, Unnur P.	Biological Effects of Tissue Inhibitor of Metalloproteinases-1 (TIMP-1)		BC005744
Troisi, Rebecca	Pregnancy Hormone Levels in Umbilical Cord Blood Samples		CP010168-Sub-00043
Troisi, Rebecca	Maternal and Umbilical Cord Hormone Concentrations in Monochorionic and Dichorionic Pregnancies		CP010168-Sub-10039
Wang, Zhigang	Molecular Dissection of Yeast Nucleotide Excision Repair		CA067978
Weber, Barbara L	Biological Markers of Breast Cancer & Tamoxifen Response		CA082707
Westerlind, Kim C	Exercise and the Prevention of Breast Cancer		CA079554
Wulf, Gerburg	Role of the Prolylisoemerase Pin1 in Oncogenesis		CA093655
Xu, Xia	Hormone Lab		CP010126-Sub-01078
Xu, Xiang-Xi M	Ovarian Cancer		CA079716
Yakovlev, Andrei Y	Mechanistic Modeling of Breast Cancer Surveillance	CA99-013	CA088177
You, Ming	Preclinical Evaluation of Intermediate Endpoints and their Modulation by Chemopreventive Agents		CN025123

Table B-8

NCI Projects Supported in 2003 Addressing the PRG Priorities:

Eti-B: What are the best approaches to understanding gene-environment interactions?

Gen-G: Do any life experiences, behaviors, or environmental exposures influence breast cancer risk among women with inherited mutations in major predisposing genes?

Principal Investigator	Title	RFA or PA	Project ID	Eti-B	Gen-G
Ahles, Tim A	Cognitive Effects of Cancer Chemotherapy		CA087845	X	
Akhmedkhanov, Arslan A	Pregnancy Hormonal Profile/Biomarker Breast Cancer Risk	PAR00-025	CA095923	X	
Ambs, Stefan	Identification of Allele Variant Genes That Are Risk Factors for Human Breast Cancer		BC010439	X	X
Andrulis, Irene L.	Ontario Family Registry for Study of Breast Cancer Risk	CA95-003	CA069467	X	
Armstrong, Katrina	Cultural Model of Prevention in African-American Women	PA02-001	CA100602		X
Bale, Allen E	Breast Cancer Genes in Mexican Populations	PA01-021	CA089791	X	X

Principal Investigator	Title	RFA or PA	Project ID	Eti-B	Gen-G
Banerjee, Sipra	An Environmentally Relevant DNA Polymerase Beta Variant		CA083768	X	
Baumgartner, Kathy B	The 4 Corners Breast and Endometrial Cancer Study		CA078762	X	
Bernstein, Jonine L	Breast Cancer, Radiation Exposure, and the Atm Gene	CA98-018	CA083178	X	X
Bernstein, Jonine L	Interaction of Radiation, BRCA1/2, and Breast Cancer		CA097397	X	X
Bernstein, Leslie	BRCA1, Oral Contraceptives, and Hormonal Risk Factors	PA97-109	CA074847		X
Blask, David E	Phytomelatonin and Cancer Prevention		CA076197	X	
Brinton, Louise	Study of Breast, Ovarian and Endometrial Cancer in Polish Women		CP010126-Sub-01033	X	X
Brody, Julia G	Risk Factors for Ductal Carcinoma In Situ (DCIS)	PA01-021	CA103478		X
Buetow, Kenneth H.	Molecular Genetic Epidemiology of leading U.S. Cancers		CP010140	X	X
Buys, Sandra S	Cooperative Family Registry for Breast Cancer Studies	CA95-003	CA069446	X	
Byers, Tim E	Four-Corners Breast Cancer Study	PA98-028	CA078552	X	X
Chen, Junjie	Analysis of BRCA1 Function in DNA Repair		CA089239	X	
Colditz, Graham A	Dietary and Hormonal Determinants of Cancer in Women		CA087969	X	
Conway-Dorsey, Kathleen T	Molecular Epidemiology of Smoking & Breast Cancer		CA092554	X	
Daly, Mary B	Cooperative Family Registry for Breast Cancer Study	CA95-003	CA069631	X	
Dillon, Deborah	Nutrients Effect on Genotype in Breast Cancer		CA079774	X	X
Doody, Michele	Breast and Other Cancers Following X-rays for Scoliosis		CP010131-Sub-04150	X	X
Doody, Michele	Cancer Risk in X-ray Technologists		CP010133-Sub-04180	X	X
El-Bayoumy, Karam E.	Nitroaromatics and Breast Cancer		CA035519	X	
Forman, Michele	Maternal Cohort Study of the Nurses' Health Studies		SC010362		X
Freudenheim, Jo L	Methylation and Oxidation in Breast Cancer Epidemiology		CA092040	X	
Gail, Mitchell	Epidemiologic Field Studies		CP010182	X	X
Gammon, Marilie D	Breast Cancer and the Environment on Long Island		CA066572	X	
Garcia-Closas, Montserrat	Interactive Effects of Genetic Susceptibility and Environmental Factors on Breast Cancer Risk		CP010126-Sub-01047	X	X
Gelber, Richard D	International Breast Cancer Study Group Statistical Center--A Breast Cancer Study Resource		CA075362	X	
Giuliano, Anna R.	Four-Corners Breast and Endometrial Cancer Study		CA078802	X	
Glaubenskle, Carolyn S	Partnership to Increase Hispanic Cancer Research and Education in Colorado.	CA02-006	CA091489	X	
Goldgar, David E	Risk Estimation and Modifier Genes in Inherited Cancer		CA081203		X
Gonzalez, Frank J.	Xenobiotic Receptors		BC005708	X	
Greene, Mark	NSABP Breast/Endometrium Polymorphism Project		CP010142-Sub-07220	X	X
Greene, Mark	Clinical Genetic Studies of Familial and Hereditary Cancer Syndromes		CP010144		X

Principal Investigator	Title	RFA or PA	Project ID	Eti-B	Gen-G
Greene, Mark	Hereditary Breast/Ovarian Cancer Families - Master Protocol		CP010144-Sub-08040		X
Greene, Mark	Intervention Trials in Persons at Increased Genetic Risk of Cancer		CP010145		X
Grubbs, Stephen Scott	Christiana Care CCOP	CA02-003	CA045418	X	
Harlap, Susan	Cancer in the Jerusalem Perinatal Study		CA080197		X
Hartge, Patricia	The Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial - Ovarian Cancer and Precursors		CP010171-Sub-00030		X
Hartman, Anne-Renee	Genetic Alterations in Breast Cells From BRCA1 Carriers		CA098246	X	X
Hein, David W	Pharmacogenetics of Drug and Carcinogen Metabolism	PA95-084	CA034627	X	
Helferich, William G	Dietary Isoflavones, Tamoxifen, and Tumor Growth		CA077355	X	
Henderson, Brian E	Genetic Susceptibility to Cancer in Multiethnic Cohorts		CA063464	X	
Hilakivi-Clarke, Leena	Timing of Dietary Exposure and Breast Cancer Risk	CA03-001	CA100970	X	
Ho, Gloria Y	Polymorphisms of Insulin-IGF Signal Pathways and Female Cancer		CA102691	X	
Hoover, Robert	Cohort Consortium		CP010167-Sub-00015	X	X
Hopper, John L	The Australian Breast Cancer Family Registry	CA95-003	CA069638	X	
Hunter, David J	Cohort Study of Genetic Susceptibility to Breast Cancer	PA93-083	CA065725	X	
Hunter, David J	Breast & Prostate Cancer and Hormone-Related Gene Variants		CA098233	X	
Ji, Bu-Tian	Shanghai Breast		CP010136-Sub-02337	X	X
Jorgensen, Timothy J	DNA Repair Gene Polymorphisms and Breast Cancer Risk		CA097817	X	
Kleinerman, Ruth	Breast and Other Cancers Among Patients and their Relatives with Ataxia Telangiectasia		CP010131-Sub-04015		X
Kolonel, Laurence N	Epidemiologic Studies of Diet and Cancer in Hawaii		CA033619	X	X
Lampe, Johanna W	Hormone Status Postmenopause: Colonic Bacterial Effects	PAR00-025	CA097475	X	
Lash, Timothy L	Smoking & Genetic Interaction in Breast Cancer Etiology		CA087724	X	X
Lee, Wen-Hwa	BRCA1 and Transcriptional Control in DNA Damage Response		CA094170	X	
Li, Christopher	c-erbB-2 and Risk of Contralateral Breast Cancer		CA101970	X	
Liber, Howard L	Ionizing Radiation Mutagenesis		CA049696	X	
Loeb, Lawrence A	Oxygen Induced DNA Damage, Mutations and Cancer		CA080993	X	
Mc Macken, Roger L	Training in Areas Fundamental to Cancer Research		CA009110		X
McCann, Susan E	Phytoestrogens and Breast Cancer Risk		CA089123	X	X
Mehta, Rajendra G	Vitamin D5 in Prevention of Mammary Carcinogenesis		CA082316	X	
Miller, Mark S	Metabolic Genotypes & Oncogenic Damage in Breast Cancer		CA081330	X	
Milligan, Jamie R	Biologically Significant Damage in DNA		CA046295	X	

Principal Investigator	Title	RFA or PA	Project ID	Eti-B	Gen-G
Neugut, Alfred I	Cancer Epidemiology/Biostatistics/Environmental Health		CA009529	X	
Newcomb, Polly A	Medications, Genetic Variability & Breast Cancer		CA047147		X
Olopade, Olufunmilayo I	Genetics of Breast Cancer in Blacks		CA089085	X	
Palmer, Julie R	Gene Polymorphisms in Relation to Cancer in Black Women	PAS02-009	CA098663	X	
Pathak, Dorothy R	Breast Cancer Gene-Diet Interactions in Polish Women	PA01-021	CA092838	X	
Pathak, Dorothy R	Breast Cancer Gene-Diet Interaction US Polish Migrants	PA01-021	CA096436	X	
Peterson, Leif	Genetic Epidemiology of Cancer Susceptibility Genes		CA078199		X
Price, Brendan D	Radiation Activation of the Atm and p53 Proteins		CA064585	X	
Riboli, Elio	Breast & Prostate Cancer and Hormone-related Gene Variants		CA098216	X	
Ron, Elaine	Male Breast Cancer		CP010131-Sub-04098	X	
Russo, Jose	Genomic Basis of Reproductive History on Breast Cancer		CA093599	X	
Saykin, Andrew J	Neural Mechanisms of Chemotherapy-Induced Cognitive Dis		CA101318	X	
Schairer, Catherine	Breast Cancer Detection Demonstration Project Followup Study - I		CP010182-Sub-01030	X	
Scribner, Richard A	Exploration of Obesity Risk for Cancer Prevention	PAR03-010	CA103484		X
Sellers, Thomas A	Epidemiologic and Genetic Studies of Breast Cancer		CA082267	X	
Senie, Ruby T	Metropolitan New York Registry of Breast Cancer Families	CA95-003	CA069398	X	
Sigurdson, Alice	The Incidence of Breast and Other Cancers Among Female Flight Attendants		CP010133-Sub-04077		X
Silverman, Debra	Cancer Risk in Human Populations		CP010136	X	
Slattery, Martha L	Four-Corners Breast and Endometrial Cancer Study	PA98-028	CA078682	X	X
Spratt, Thomas E	Mechanisms of Fidelity and Mutagenesis		CA075074	X	
Steck-Scott, Susan	Gene-Nutrient Interactions and Breast Cancer		CA102640	X	
Stella, Philip J	Ann Arbor Regional CCOP	CA02-003	CA063848	X	
Stone, Michael P	Adduct-induced Frameshift Mutagenesis		CA055678	X	
Struewing, Jeffery	BRCA1/2 and Breast and Ovarian Cancer		CP010138		X
Taylor, Philip R.	Human Studies of Diet and Nutrition		CN000101	X	
Tekmal, Rajeshwar R	INT5/Aromatase Effect of Breast Estrogen in Neoplasia		CA075018	X	
Thomas, Duncan C	Survival Models for Genetic Epidemiology		CA052862	X	X
Thun, Michael J	Breast & Prostate Cancer and Hormone-related Gene Variants		CA098710	X	
Trentham-Dietz, Amy	Breast Cancer In Situ: Recurrence and Quality of Life	PA98-027	CA067264	X	
Tucker, Margaret	Familial Cancer in the Jewish Community		CP005803-Sub-08150	X	X
Ullrich, Robert L	Carcinogenic Interactions of Radiation and Chemicals		CA043322	X	X
Weber, Barbara L	Biological Markers of Breast Cancer & Tamoxifen Response		CA082707	X	

Principal Investigator	Title	RFA or PA	Project ID	Eti-B	Gen-G
West, Dee W.	Northern California Cooperative Family Registry	CA95-003	CA069417	X	
Westerlind, Kim C	Exercise and the Prevention of Breast Cancer		CA079554	X	
Whittemore, Alice S	Statistical Methods for Genetic Epidemiology	PA98-078	CA094069	X	
Whittemore, Alice S	Breast Cancer Risk Modifiers in BRCA Mutation Carriers		CA097359		X
Yang, Xiaohong (Rose)	Analysis of Risk Factors for Breast Cancers Classified According to Expression of Hormonal Markers		CP005803-Sub-10015	X	
Yee, Lisa D	Fatty Acids and Ppars in Breast Cancer Prevention		CA086020		X
Yeh, Grace Chao	Dietary Regulation of Biochemical and Molecular Changes in Carcinogen-resistant Cells		BC000189	X	
Zheng, Wei	Molecular Epidemiologic Study of Breast Cancer		CA090899	X	
Zhu, Bao T	Selective Induction of Estrogen Conjugative Metabolism		CA092391	X	

Table B-9

NCI Projects Supported in 2003 Addressing the PRG Priority: What factors influence disease progression?

Principal Investigator	Title	RFA or PA	Project ID
Aaronson, Stuart A	p53 - Regulators and Effectors		CA080058
Adunyah, Samuel E.	Comprehensive Mehary Medical College/Vanderbelt-Ingram Cancer Center Cancer Research Partnership	CA01-002	CA091408
Akhmedkhanov, Arslan A	Pregnancy Hormonal Profile/Biomarker Breast Cancer Risk	PAR00-025	CA095923
Alexander, Caroline M	The Role of Syndecan-1 in Mouse Mammary Neoplasia		CA090877
Anderson, Carl W	Genetic Variation in Human NHEJ DNA Repair Genes		CA089199
Appella, Ettore	Tumor Suppressor Protein, p53		BC005599
Arnold, Andrew	Cyclin D1-PRAD1 in Mammary Neoplasia		CA055909
Artandi, Steven E	Telomere Dysfunction, Genomic Instability and Cancer		CA082176
Bachelder, Robin E	Novel Function for VEGF in Breast Carcinoma Survival		CA093855
Bhujwalla, Zaver M.	Imaging Lymphatic Clearance in Tumor Metastasis		CA090471
Blask, David E	Light During Darkness and Breast Cancer Progression		CA085408
Blenis, John	Mitogenic and Oncogenic Regulation of Erk/Rsk Signaling		CA046595
Boerner, Julie	Targeting EGFR and c- SRC Synergy in Breast Cancer		CA093028
Bolton, Judy L.	Biotransformation of Estrogens to Carcinogenic Quinoids		CA073638
Bulun, Serdar E	Breast Cancer-Proximal Stroma Interaction and Aromatase		CA067167
Caan, Bette J	Behavioral Correlates of Recurrence in Breast Cancer		CA080027
Cance, William G.	Focal Adhesion Kinase--Tumor Biology and Therapeutics	PA92-81	CA065910
Carney, Patricia A	Hormone Replacement Therapy and Breast Cancer		CA080888
Carney, Patricia A	Strategic Studies in Breast Cancer Surveillance	CA98-025	CA086082
Carthon, Bradley	Minority Predoctoral Fellowship Program		CA084293

Principal Investigator	Title	RFA or PA	Project ID
Chao, Moses V	Tumor Necrosis Factor Family Mechanism of Action		CA056490
Chen, Junjie	Analysis of BRCA1 Function in DNA Repair		CA089239
Chernoff, Jonathan D.	A Growth-regulating Protein Tyrosine Phosphatase		CA058836
Clevenger, Charles V.	Function of the Prolactin Receptor Complex in Breast Cancer		CA069294
Clinton, Gail M	Truncated HER2/neu Protein in Breast Cancer		CA083970
Colditz, Graham A	Benign Breast Disease and Risk of Breast Cancer	PA92-27	CA046475
Cravatt, Benjamin F	Chemical Approaches for Activity Based Proteomics		CA087660
Cullen, Kevin	Midcareer Investigator Award		CA082238
Dalla-Favera, Riccardo	Molecular Pathogenesis of Breast Cancer		CA097403
De Lange, Titia	Telomere Length Control by TRF1 and TRF2		CA076027
De Luca, Luigi M.	Retinoids in Differentiation and Neoplasia		BC004798
Dewille, James W	C/EBP Delta Controls Mammary Epithelial Cell G Growth Arrest		CA057607
Dignam, James	Obesity and Outcomes After Early Stage Breast Cancer	PA01-021	CA099508
Dillon, Deborah	Nutrients Effect on Genotype in Breast Cancer		CA079774
Donner, David B	Tumor Necrosis Factor Action in Cells		CA067891
Fornace, Albert J.	Molecular Biology of Cellular Injury		BC007184
Foster, David A.	Mitogenic Signaling Through RalA and Phospholipase D		CA046677
Frost, Andra R	Prevention of Breast Cancer by Targeting Myofibroblasts	PAR02-176	CA105950
Fuqua, Suzanne A	A Hypersensitive Estrogen Receptor-alpha Mutant in Breast Cancer Progression		CA072038
Gammon, Marilie D	Breast Cancer and the Environment on Long Island		CA066572
Gazdar, Adi F	Markers for Risk Assessment/Early Detection of Lung and	CA98-028	CA084971
Gonzalez, Frank J.	Xenobiotic Receptors		BC005708
Green, Jeffrey E.	Transgenic Models for Prostate and Breast Cancers		BC005740
Grubbs, Stephen Scott	Christiana Care CCOP	CA02-003	CA045418
Gupta, Ramesh C	Breast Cancer Etiology		CA090892
Hahn, William C	New Models of Human Cancer		CA094223
Hakomori, Senitiroh	Sphingosine Dependent Kinase and Carcinogenesis		CA082167
Hankinson, Oliver	Carcinogen Activation and Screening in Variant Cells		CA028868
Hankinson, Susan E	Biochemical Markers in the Nurses' Health Study Cohort	PA93-83	CA049449
Haslam, Sandra Z	Role of Stroma in Mammary Gland Cell Proliferation	PA99-162	CA040104
Helferich, William G	Dietary Isoflavones, Tamoxifen, and Tumor Growth		CA077355
Hilakivi-Clarke, Leena	Timing of Dietary Exposure and Breast Cancer Risk	CA03-001	CA100970
Hilakivi-Clarke, Leena A	Pregnancy Estrogens, Diet, and Breast Cancer Risk		CA089950
Hla, Timothy T	Mechanisms of COX2 Induced Tumorigenesis		CA095181

Principal Investigator	Title	RFA or PA	Project ID
Hunter, Kent W.	Genetic Modifiers of Initiation and Progression of Mammary Cancer		CP010146
Hyder, Salman M	Progesterin Regulation of VEGF in Breast Cancer Cells	PA99-162	CA086916
Jacobsen, Britta	Role of Progesterone Receptor Ratio in Breast Cancer		CA090073
Jeng, Meei-Huey	Functions of Estrogen Receptor Coactivators in Breast Tissue		CA082565
Keri, Ruth A	Regulation of ErbB2 Induced Mammary Gland Cancer		CA090398
Kerlikowske, Karla M	San Francisco Mammography Registry--A Research Resource	CA98-025	CA063740
Keyomarsi, Khandan	Proteolytic Processing of Cyclin E in Breast Cancer		CA087548
Lee, Adrian V	IRS1 and 2 Signaling in Mammary Development and Cancer	PA99-162	CA094118
Lee, Jiing-Dwan	Novel Effectors in ErbB3 Mediated Signaling	PAR01-045	CA095353
Li, Christopher	c-erbB-2 and Risk of Contralateral Breast Cancer		CA101970
Lopez-Berestein, Gabriel G	PRCC/MDACC: Partners for Excellence in Cancer Research	CA02-005	CA096300
Lopez-Enriquez, Reynold	PRCC/MDACC:Partners for Excellence in Cancer Research	CA02-005	CA096297
Luo, Jia	Ethanol, ErbB Receptors and Breast Cancer		CA090385
Lydon, John P	Progesterone Receptor and Breast Cancer		CA077530
McMurray, John S	The Development of STAT3 Inhibitors.		CA096652
Medina, Daniel M.	Mechanisms of the Hormonal Prevention of Breast Cancer	PA93-083	CA064255
Mercurio, Arthur M.	Integrin Function and Signaling in Carcinoma Progression		CA080789
Miller, Fred R	Proteomics of Progression in MCF-10 Xenograft Model	PA99-162	CA090503
Montano, Monica M	A Novel Growth Regulatory Factor in Breast Cells		CA092440
Moses, Harold L	Comprehensive Mehary Medical College/Vanderbelt-Ingram Cancer Center Cancer Research Partnership	CA01-002	CA091405
Neugut, Alfred I	Cancer Epidemiology/Biostatistics/Environmental Health		CA009529
Nixon, Daniel W	Low Fat Diet and Breast Cancer Recurrence--Outcome Trial		CA045504
Parsons, Sarah J	c-Src and EGF Receptor in Breast Cancer Development		CA071449
Penning, Trevor M.	Human Aldo-Keto Reductases and Steroid Hormone Action		CA090744
Pitha-Rowe, Paula M	Molecular Targets for Cancer Detection and Treatment		CA009071
Reddy, Kaladhar B	Mitogen Activated Protein Kinases and Breast Cancer		CA083964
Roberts, Anita B.	Signal Transduction Pathways of Transforming Growth Factor-beta		BC005051
Rock, Cheryl L	Hormones During Weight Loss in Breast Cancer Survivors	PAR02-037	CA101489
Rohan, Thomas E	p53 in Benign Breast Disease and Breast Cancer Risk: A Multicenter Cohort	PA01-015	CA095661
Rosen, Eliot M	BRCA1 Modulates Estrogen Receptor Response in Breast Cancer		CA082599
Rosenberg, Robert D	New Mexico Mammography Project	CA98-025	CA069976
Ross, Jeffrey	Human RNA Binding Protein as a Cancer Marker	PA01-010	CA094082
Ross, Ronald K	Iatrogenic Causes of Cancer		CA017054
Salomon, David S.	The Role of Cripto in the Pathogenesis of Breast and Colon Cancer		BC009003

Principal Investigator	Title	RFA or PA	Project ID
Santen, Richard J	Role of the Cell Cycle in Hypersensitivity to Estradiol		CA084456
Schairer, Catherine	Inflammatory Breast Cancer Pilot Study		CP010182-Sub-00314
Sellers, Thomas A	Epidemiologic and Genetic Studies of Breast Cancer		CA082267
Serrero, Ginette	PC Cell Derived Growth Factor in Human Breast Cancer	PA99-162	CA085367
Settleman, Jeffrey E	Regulation and Function of the p190 Rho GAPs		CA062142
Shalloway, David I	SRC and PTP-alpha in Signal Transduction and Cancer		CA032317
Silberstein, Gary B	Role of PAX2 in Mammary Development and Cancer		CA091996
Silliman, Rebecca A	Breast Cancer Treatment Outcomes in Older Women	PA96-034	CA084506
Singh, Sonia	Minority Predoctoral Fellowship Program		CA092816
Stella, Philip J	Ann Arbor Regional CCOP	CA02-003	CA063848
Struewing, Jeffery	BRCA1/2 and Breast and Ovarian Cancer		CP010138
Taplin, Stephen H	Breast Cancer Surveillance in a Defined Population	CA98-025	CA063731
Tekmal, Rajeshwar R	INT5/Aromatase Effect of Breast Estrogen in Neoplasia		CA075018
Thomas, Thresia	Role of Polyamines in Estrogen Function in Breast Cancer		CA042439
Trentham-Dietz, Amy	Breast Cancer In Situ: Recurrence and Quality of Life	PA98-027	CA067264
Tuttle, Stephen W	Role of Pentose Cycle on PDT Response		CA091053
Vetvicka, Vaclav	Regulation of Breast Cancer Growth by Activation Peptide		CA082159
Wang, Sheng	Prohibitin in Mediating Suppression of Breast Cancer	PAR02-176	CA102940
Weinstein, Bernard I	Roles of Specific Isoforms of PKC in Cell Cycle Control		CA026056
Westerlind, Kim C	Exercise and the Prevention of Breast Cancer		CA079554
Wulf, Gerburg	Role of the Prolylisoamerase Pin1 in Oncogenesis		CA093655
Wykle, Robert L	Ether-linked Lipids and Signaling in Breast Tumor Cells		CA085833
Yakovlev, Andrei Y	Mechanistic Modeling of Breast Cancer Surveillance	CA99-013	CA088177
Yee, Lisa D	Fatty Acids and Ppars in Breast Cancer Prevention		CA086020

Table B-10

NCI Projects Supported in 2003 Addressing the PRG Priority: What might be a useful approach to expanding our knowledge regarding breast cancer etiology?

Principal Investigator	Title	RFA or PA	Project ID
Agnew, Brian J	Proteomic Analyses of Breast Cancer Refractoriness	PAR01-107	CA099103
Akhmedkhanov, Arslan A	Pregnancy Hormonal Profile/Biomarker Breast Cancer Risk	PAR00-025	CA095923
Alnemri, Emad S	NFkB and Apoptosis Regulatory Complexes		CA085421
Anton-Culver, Hoda A.	UCI UCSD Cancer Genetics Network	CA97-004	CA078134
Avruch, Joseph	Molecular Basis of Cell Growth Control by the TOR Kinase		CA073818

Principal Investigator	Title	RFA or PA	Project ID
Baird, William M	Modifiers of Carcinogenesis--Environmental PAH Mixtures		CA028825
Band, Vimla	ADA3: A Novel Target for HPV16 E6 Oncoprotein		CA094143
Baumgartner, Kathy B	The 4 Corners Breast and Endometrial Cancer Study		CA078762
Bernstein, Jonine L	Breast Cancer, Radiation Exposure, and the Atm Gene	CA98-018	CA083178
Bernstein, Jonine L	Interaction of Radiation, BRCA1/2, and Breast Cancer		CA097397
Blair, Aaron	Pbb and Breast Cancer in Michigan		CP010123-Sub-02158
Blair, Aaron	Breast Cancer Among a DDT Exposed Population in Triana		CP010123-Sub-02365
Blot, William J.	Southern Community Cohort Study		CA092447
Bowen, Deborah J	Northwest Cancer Genetics Network	CA97-004	CA078164
Brinton, Louise	Study of Breast, Ovarian and Endometrial Cancer in Polish Women		CP010126-Sub-01033
Brinton, Louise	Extended Follow-Up of Columbia, Missouri Serum Bank Participants		CP010126-Sub-01103
Brinton, Louise	Female Cancers and Medical Conditions Record Linkage Project		CP010126-Sub-01065
Brinton, Louise	Women's Interview Study of Health: A Case-control Study of Breast Cancer with an Emphasis on Women Under the Age of 45		CP010126-Sub-03170
Brinton, Louise	A Follow-up Study of Women Evaluated and Treated for Infertility: 1965-88		CP010128-Sub-01082
Brinton, Louise	Follow-up of Women with Augmentation Mammoplasty		CP010128-Sub-01220
Britton, Julie A	Energy Balance and Breast Cancer in African Americans		CA093447
Byers, Tim E	Four-Corners Breast Cancer Study	PA98-028	CA078552
Byers, Tim E	Partnership to Increase Hispanic Cancer Research for Colorado	CA02-006	CA091398
Carraway, Kermit L	Functions of Her2/ErbB2 Ligand Sialomucin Complex/MUC4		CA074072
Chen, Jiandong	Regulation of p53 Subcellular Distribution by MDM2/ARF		CA088406
Cheng, Jin Q	AKT2 Oncogene and Human Oncogenesis		CA077935
Chodosh, Lewis A.	Temporal Analysis of Mammary Carcinogenesis	PAR99-102	CA094393
Colditz, Graham A	Benign Breast Disease and Risk of Breast Cancer	PA92-27	CA046475
Cole, Michael D	Myc-dependent Pathways in Apoptosis and Lymphomagenesis		CA080320
Comis, Robert L	ECOG CCOP Research Base	CA99-006	CA037403
Crystal, Roger	Geographic Information System (GIS-H) for the Long Island Breast Cancer Study Project		PC095074
Davis, Scott	Night Shift Workers and Hormone Levels in Women		CA097090
Devesa, Susan	Descriptive Studies and Record Linkage		CP010183
Doody, Michele	Breast and Other Cancers Following X-rays for Scoliosis		CP010131-Sub-04150
Doody, Michele	Cancer Risk in X-ray Technologists		CP010133-Sub-04180
Dupont, William D	Epidemiology of Molecular Risk Factors for Breast Cancer		CA050468

Principal Investigator	Title	RFA or PA	Project ID
Flowers, Lisa C	Genomic and Proteomic Study of Cancer Disparities in Ethnic Populations	CA02-006	CA091393
Folsom, Aaron R	Epidemiology of Cancer in a Cohort of Older Women	PA98-028	CA039742
Ford, Heide L	HSIX1 in Cell Cycle Control and Tumorigenesis		CA095277
Friesen, Marlin D	Estrogen Metabolite Analysis in Blood	PA01-021	CA096398
Frost, Andra R	Prevention of Breast Cancer by Targeting Myofibroblasts	PAR02-176	CA105950
Gail, Mitchell	Epidemiologic Field Studies		CP010182
Gail, Mitchell	Methods for Epidemiology Studies		CP010181
Gail, Mitchell	Projecting Breast Cancer Risk: Development of a New Model Including Mammographic Features to Estimate Absolute Risk of Breast Cancer		CP010182-Sub-00318
Garcia-Closas, Montserrat	Interactive Effects of Genetic Susceptibility and Environmental Factors on Breast Cancer Risk		CP010126-Sub-01047
Giuliano, Anna R.	Four-Corners Breast and Endometrial Cancer Study		CA078802
Glaubenskleee, Carolyn S	Partnership to Increase Hispanic Cancer Research and Education in Colorado.	CA02-006	CA091489
Golovkina, Tatyana V	Mechanism of Resistance to MMTV-induced Mammary Tumors		CA089116
Graubard, Barry	Family History of Cancer Validation		CP004410-Sub-00357
Greene, Mark	NSABP Breast/Endometrium Polymorphism Project		CP010142-Sub-07220
Greene, Mark	Intervention Trials in Persons at Increased Genetic Risk of Cancer		CP010145
Greene, Mark	Breast Imaging Studies in Women at High Genetic Risk of Breast Cancer		CP010145-Sub-07040
Greene, Mark	National Prospective Study of Risk-reducing Salpingo-Oophorectomy and Ovarian Screening Among Women at Increased Genetic Risk of Ovarian Cancer		CP010145-Sub-07210
Gridley, Gloria	Denmark and Sweden Linked Registries on Hospital Discharges and Subsequent Cancers		CP010183-Sub-00560
Gridley, Gloria	Veterans Administration Hospitalization Database, Patient Treatment File, and Outpatient Clinic File		CP010183-Sub-00580
Gridley, Gloria	Cancer Environment-linked Registry-Swedish Occupational Study		CP010183-Sub-02050
Griffin, Constance A	Mid Atlantic Cancer Genetics Network	CA97-004	CA078148
Gulley, Margaret L	Development of Assays to Detect EBV in Breast Cancers	PA01-021	CA101500
Gunther, Edward J	BRCA 1 Function Using an Inducible Transgene		CA079682
Habel, Laurel A	Mammographic Density in a Multi-Ethnic Cohort		CA089552
Habel, Laurel A	Ductal Carcinoma In Situ--Mammographic Features and Prognosis		CA081302
Hahn, William C	New Models of Human Cancer		CA094223
Haile, Robert W	Risk of Cancer in A-T Families		CA076513
Hankinson, Oliver	Carcinogen Activation and Screening in Variant Cells		CA028868
Hankinson, Susan E	Biochemical Markers in the Nurses' Health Study Cohort	PA93-83	CA049449
Hankinson, Susan E	Premenopausal Hormone Levels and Risk of Breast Cancer		CA067262
Harlap, Susan	Cancer in the Jerusalem Perinatal Study		CA080197

Principal Investigator	Title	RFA or PA	Project ID
Hartge, Patricia	The Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial - Ovarian Cancer and Precursors		CP010171-Sub-00030
Hartge, Patricia	Assessing the Risk of Breast and Ovarian Cancer		CP010171
Hearing, Patrick	Tumor Virus-Host Interactions		CA028146
Hilakivi-Clarke, Leena	Timing of Dietary Exposure and Breast Cancer Risk	CA03-001	CA100970
Hoover, Robert	Cohort Consortium		CP010167-Sub-00015
Hoover, Robert	Early Life Exposures and Subsequent Cancer Risk		CP010168
Hoover, Robert	Pregnancy Hormone Levels in Maternal and Cord Blood: Associations with Maternal and Perinatal Characteristics Related to Cancer in Offspring		CP010168-Sub-01132
Hoover, Robert	The Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial - Breast Cancer		CP010171-Sub-10023
Hoover, Robert	General Studies of Epidemiology		CP010167
Hsieh, Chung-Cheng	Stem Cells and Perinatal Factors for Breast Cancer Risk		CA090902
Hu, Jennifer J	Molecular Epidemiology and Prevention of Breast Cancer		CA073629
Hunter, David J	Cohort Study of Genetic Susceptibility to Breast Cancer	PA93-083	CA065725
Isaacs, Claudine	Cancer Genetics Network	CA97-004	CA078146
Jansen, Michelle S	Estrogen Receptor-beta Signal Transduction Pathway		CA092984
Ji, Bu-Tian	Shanghai Breast		CP010136-Sub-02337
Kim, Hyeong-Reh C	Timp-1 and Apoptosis		CA089113
Kimbro, Kevin S	Genomic and Proteomic Study of Cancer Disparities in Ethnic Populations	CA02-006	CA091366
Kleinerman, Ruth	Breast and Other Cancers Among Patients and their Relatives with Ataxia Telangiectasia		CP010131-Sub-04015
Kolonel, Laurence N	Epidemiologic Studies of Diet and Cancer in Hawaii		CA033619
Kushner, Peter J	Gene Activation by Antiestrogens Used in Cancer Therapy		CA080210
Lacey, James	Bone Mineral Density and Subsequent Cancer Risk		CP010128-Sub-01063
Lampe, Johanna W	Hormone Status Postmenopause: Colonic Bacterial Effects	PAR00-025	CA097475
Lampe, Johanna W	Breast and Bone Density: Impact of Colonic Environment		CA097366
Land, Charles	TB Fluoroscopy		CP010131-Sub-04160
Lee, Eva Y	Mouse Cancer Models by Regulated Inactivation of Tumor Suppressors	CA98-013	CA084241
Lin, Young C	Exposure to Beef Growth Promoter in Breast Cancer	CA01-018	CA094718
Lisanti, Michael P	Caveolins, Signaling and Cell Transformation		CA080250
Love, Susan M.	The 3rd Intraductal Approach to Breast Cancer Symposium		CA101820
Maskarinec, Gertraud	Breast Density, IGF-I, & Prolactin, in Four Populations	PAR03-010	CA105948
Medina, Daniel M.	Mouse Models of Human Breast Cancer	CA98-013	CA084243
Mineau, Geraldine P	Rocky Mountain Cancer Genetics Coalition	CA97-004	CA078174
Miyamoto, Shigeki	Mechanism of Constitutive NF-kappa B Activity		CA081065

Principal Investigator	Title	RFA or PA	Project ID
Neugut, Alfred I	Cancer Epidemiology/Biostatistics/Environmental Health		CA009529
Newcomb, Polly A	Medications, Genetic Variability & Breast Cancer		CA047147
Perou, Charles M	Molecular Characterization of Breast Basal-Like Tumors	CA03-005	CA101227
Pestell, Richard G	Regulation of Cyclin D1 Expression		CA070896
Prendergast, George C	Role of RHO in Farnesyltransferase Inhibitor Responses		CA082222
Rock, Cheryl L	Hormones During Weight Loss in Breast Cancer Survivors	PAR02-037	CA101489
Rohan, Thomas E	Fat Reduction, Hormone Replacement Therapy Use, and Benign Breast Disease Risk		CA077290
Ron, Elaine	Male Breast Cancer		CP010131-Sub-04098
Rosenberg, Lynn	Follow-up Study for Causes of Illness in Black Women		CA058420
Rosenberg, Philip	Multiple Comparisons of SNP Analysis Procedures		CP010181-Sub-00395
Ross, Susan R	Characterization of the MMTV Receptor		CA073746
Rossing, Mary A	Use of Antidepressants and Risk of Breast Cancer	PA01-021	CA094745
Rushton, Gerard	A Geographic Information System-based Workbench to Interpret Cancer Maps	PAS00-120	CA095961
Russo, Jose	Genomic Basis of Reproductive History on Breast Cancer		CA093599
Samet, Jonathan M.	Risk Factors for Breast Cancer in Orange County, Florida	PA01-021	CA094776
Schairer, Catherine	Inflammatory Breast Cancer Pilot Study		CP010182-Sub-00314
Schairer, Catherine	Breast Cancer Detection Demonstration Project Followup Study - I		CP010182-Sub-01030
Schairer, Catherine	Serum Levels of Sex Steroid Hormones and Insulin and Insulin-like Growth Factors and Breast Cancer and Benign Breast Disease		CP010182-Sub-01100
Schatzkin, Arthur	Glycemic Index Coding		CP010127-Sub-10021
Schildkraut, Joellen M	Carolina and Georgia Genetics Network Center	CA97-004	CA078157
Sellers, Thomas A	Epidemiologic and Genetic Studies of Breast Cancer		CA082267
Shore, Roy E	Estrogen Metabolites, Related Genes and Breast Cancer	PAS02-009	CA098661
Shore, Roy E	Repair & Prevention of DNA Damage & Breast Cancer Risk		CA091892
Sigurdson, Alice	The Incidence of Breast and Other Cancers Among Female Flight Attendants		CP010133-Sub-04077
Silverman, Debra	Cancer Risk in Human Populations		CP010136
Singh, Sonia	Minority Predoctoral Fellowship Program		CA092816
Sinha, Rashmi	Genetic, Dietary and Hormonal Risk Factors in Breast & Prostate Cancer		CP010127-Sub-03060
Sinha, Rashmi	India Diet and Cancer Study		CP010127-Sub-03082
Sinha, Rashmi	Relationship of Biomarkers to Consumption of Pyrolysis Products in Cooked Meats		CP010127-Sub-03160
Slamon, Dennis J	Signal Transduction in Oncogenesis		CA032737
Slattery, Martha L	Four-Corners Breast and Endometrial Cancer Study	PA98-028	CA078682

Principal Investigator	Title	RFA or PA	Project ID
Strickler, Howard D	Insulin and IGF in Female Colon, Breast, Uterine Cancer		CA093881
Strong, Louise C	Texas Cancer Genetics Consortium	CA97-004	CA078142
Struewing, Jeffery	BRCA1/2 and Breast and Ovarian Cancer		CP010138
Struewing, Jeffery	Genetic, Epidemiologic, and Biochemical Studies of DNA Damage Repair		CP010157
Terry, Mary B	Early Determinants of Breast Cancer Risk		CA090685
Tevethia, Satvir S	Biology of SV40-specific Transplantation Antigen		CA025000
Thomas, Duncan C	Survival Models for Genetic Epidemiology		CA052862
Troisi, Rebecca	Pregnancy Hormone Levels in Umbilical Cord Blood Samples		CP010168-Sub-00043
Troisi, Rebecca	Maternal and Umbilical Cord Hormone Concentrations in Monochorionic and Dichorionic Pregnancies		CP010168-Sub-10039
Van Breemen, Richard B.	CORE Mass Spectrometry Resource for Cancer Research	PAR98-092	CA083124
Velie, Ellen	Energy Balance and Breast Cancer in Black & White Women		CA094984
Ward, Mary	Cancer Risk and Environmental Exposures to Nitrate, Pesticides, and Industrial Chemicals		CP010153
Weber, Barbara L	Biological Markers of Breast Cancer & Tamoxifen Response		CA082707
Whittemore, Alice S	Statistical Methods for Genetic Epidemiology	PA98-078	CA094069
Willett, Walter C.	Risk Factors for Breast Cancer Among Younger Nurses	PA93-83	CA050385
Wright, William E	Breast & Other Cancers in the California Teachers Cohort		CA077398
Xu, Xia	Hormone Lab		CP010126-Sub-01078
Yager, James D	Mitochondrial Superoxide Dismutase & Breast Cancer Risk-Mechanism	PA01-021	CA094747
Yang, Xiaohong (Rose)	Analysis of Risk Factors for Breast Cancers Classified According to Expression of Hormonal Markers		CP005803-Sub-10015
Zheng, Wei	Cancer Risk Reduction and Diet: A Cohort Study of Women	PAS02-009	CA070867
Ziegler, Regina	Nutrition, Metabolism, and Cancer		CP010169
Ziegler, Regina	Breast Cancer in Asian-American Women		CP010169-Sub-03030

Table B-11

NCI Projects Supported in 2003 Addressing the PRG Priority: Are there etiologically distinct components of breast cancer that would be useful to consider?

Principal Investigator	Title	RFA or PA	Project ID
Akhmedkhanov, Arslan A	Pregnancy Hormonal Profile/Biomarker Breast Cancer Risk	PAR00-025	CA095923
Anderson, Carl W	Genetic Variation in Human NHEJ DNA Repair Genes		CA089199
Anderson, Steven M	Induction of Mammary Cancer by Signaling Molecules		CA085736
Andrulis, Irene L.	Ontario Family Registry for Study of Breast Cancer Risk	CA95-003	CA069467
Baird, William M	Modifiers of Carcinogenesis--Environmental PAH Mixtures		CA028825

Principal Investigator	Title	RFA or PA	Project ID
Baumgartner, Kathy B	The 4 Corners Breast and Endometrial Cancer Study		CA078762
Blask, David E	Light During Darkness and Breast Cancer Progression		CA085408
Blask, David E	Phytomelatonin and Cancer Prevention		CA076197
Blot, William J.	Southern Community Cohort Study		CA092447
Bolton, Judy L.	Biotransformation of Estrogens to Carcinogenic Quinoids		CA073638
Brinton, Louise	Study of Breast, Ovarian and Endometrial Cancer in Polish Women		CP010126-Sub-01033
Brinton, Louise	Female Cancers and Medical Conditions Record Linkage Project		CP010126-Sub-01065
Brinton, Louise	Women's Interview Study of Health: A Case-control Study of Breast Cancer with an Emphasis on Women Under the Age of 45		CP010126-Sub-03170
Britton, Julie A	Energy Balance and Breast Cancer in African Americans		CA093447
Brown, Erika	Mechanistic Studies of BRCA2-RAD51-mediated DNA Repair		CA096944
Buys, Sandra S	Cooperative Family Registry for Breast Cancer Studies	CA95-003	CA069446
Carney, Patricia A	Hormone Replacement Therapy and Breast Cancer		CA080888
Chen, Chu	Breast Cancer and Gene Polymorphisms in Chinese Women		CA084141
Colditz, Graham A	Benign Breast Disease and Risk of Breast Cancer	PA92-27	CA046475
Cole, Michael D	Myc-dependent Pathways in Apoptosis and Lymphomagenesis		CA080320
Daling, Janet R	HRT Use and Risk of Lobular and Ductal Breast Cancer		CA085913
Daly, Mary B	Cooperative Family Registry for Breast Cancer Study	CA95-003	CA069631
Davis, Scott	Night Shift Workers and Hormone Levels in Women		CA097090
Demichele, Angela	Age, Cell Cycle Markers and Breast Cancer Outcomes		CA081009
Dupont, William D	Epidemiology of Molecular Risk Factors for Breast Cancer		CA050468
El-Bayoumy, Karam E.	Nitroaromatics and Breast Cancer		CA035519
Flowers, Lisa C	Genomic and Proteomic Study of Cancer Disparities in Ethnic Populations	CA02-006	CA091393
Folsom, Aaron R	Epidemiology of Cancer in a Cohort of Older Women	PA98-028	CA039742
Frost, Andra R	Prevention of Breast Cancer by Targeting Myofibroblasts	PAR02-176	CA105950
Garcia-Closas, Montserrat	Interactive Effects of Genetic Susceptibility and Environmental Factors on Breast Cancer Risk		CP010126-Sub-01047
Giuliano, Anna R.	Four-Corners Breast and Endometrial Cancer Study		CA078802
Gridley, Gloria	Denmark and Sweden Linked Registries on Hospital Discharges and Subsequent Cancers		CP010183-Sub-00560
Gulley, Margaret L	Development of Assays to Detect EBV in Breast Cancers	PA01-021	CA101500
Habel, Laurel A	Mammographic Density in a Multi-Ethnic Cohort		CA089552
Haber, Daniel A.	Functional Characterization of BRCA1		CA084066
Henderson, Brian E	Genetic Susceptibility to Cancer in Multiethnic Cohorts		CA063464
Hershman, Dawn	Osteoporosis Prevention in Early Stage Breast Cancer		CA095597
Hopper, John L	The Australian Breast Cancer Family Registry	CA95-003	CA069638

Principal Investigator	Title	RFA or PA	Project ID
Hu, Jennifer J	Molecular Epidemiology and Prevention of Breast Cancer		CA073629
Hunter, David J	Cohort Study of Genetic Susceptibility to Breast Cancer	PA93-083	CA065725
Jorgensen, Timothy J	DNA Repair Gene Polymorphisms and Breast Cancer Risk		CA097817
Jove, Richard	Molecular Signatures of STAT Regulated Genes in Cancer		CA055652
Kimbro, Kevin S	Genomic and Proteomic Study of Cancer Disparities in Ethnic Populations	CA02-006	CA091366
Lee, Mong-Hong	Regulation of Cyclin-Dependent Kinase Inhibitor p27		CA089266
Lee, Wen-Hwa	BRCA1 and Transcriptional Control in DNA Damage Response		CA094170
Lee, Wen-Hwa	DNA Repair and Tumor Suppressor Genes		CA081020
Levine, Beth C	Analysis of Beclin 1 in Autophagy and Tumor Suppression		CA084254
Li, Christopher	c-erbB-2 and Risk of Contralateral Breast Cancer		CA101970
Li, Sara A	Genomic Instability in Estrogen-induced Breast Cancer		CA087591
Loeb, Lawrence A	Oxygen Induced DNA Damage, Mutations and Cancer		CA080993
Maskarinec, Gertraud	Breast Density, IGF-I, & Prolactin, in Four Populations	PAR03-010	CA105948
Mihich, Enrico	Chemoimmunoprevention of Prostate and Breast Cancer	PAR02-176	CA102843
Miskimins, W Keith	Translational Control of p27 in Breast Cancer Cells		CA084325
Miyamoto, Shigeki	Mechanism of Constitutive NF-kappa B Activity		CA081065
Mor, Gil G	Fas/FasL System in Normal Mammary Gland Development	PA99-162	CA092435
Mueller, Beth A	Smoking During Pregnancy and Breast Cancer	PA01-021	CA096434
Mundy, Gregory R	Tumors Effects on the Skeleton		CA040035
Nathanson, Katherine L	Identifying Modifying Genes in BRCA1 Mutation Carriers		CA084030
Perez, Aymee	Regulation of SMC/rMUC4 Transcription by Cell Signaling		CA084178
Perou, Charles M	Molecular Characterization of Breast Basal-Like Tumors	CA03-005	CA101227
Rauscher, Frank J	Role of the BRCA1 Associated Protein BAP1 in DNA Repair		CA092088
Ross, Ronald K	Intronic Causes of Cancer		CA017054
Ross, Susan R	Characterization of the MMTV Receptor		CA073746
Rossing, Mary A	Use of Antidepressants and Risk of Breast Cancer	PA01-021	CA094745
Russo, Jose	Genomic Basis of Reproductive History on Breast Cancer		CA093599
Samet, Jonathan M.	Risk Factors for Breast Cancer in Orange County, Florida	PA01-021	CA094776
Sartor, Carolyn L	Role of HER4 as Differentiation Factor in Breast Cancer		CA083753
Schairer, Catherine	Inflammatory Breast Cancer Pilot Study		CP010182-Sub-00314
Scully, Ralph	Analysis of BRCA1 Recombination Functions		CA095175
Senie, Ruby T	Metropolitan New York Registry of Breast Cancer Families	CA95-003	CA069398
Shore, Roy E	Repair & Prevention of DNA Damage & Breast Cancer Risk		CA091892
Singh, Sonia	Minority Predoctoral Fellowship Program		CA092816

Principal Investigator	Title	RFA or PA	Project ID
Steeg, Patricia S.	Molecular Alterations in Premalignant and In Situ Breast Lesions		SC009377
Strange, Robert	Akt 1 and Mammary Cell Survival During the Estrus Cycle		CA085669
Strickler, Howard D	Insulin and IGF in Female Colon, Breast, Uterine Cancer		CA093881
Talmage, David A.	Mechanism of Anti-oncogenic Action of Retinoids		CA079737
Ullrich, Robert L	Carcinogenic Interactions of Radiation and Chemicals		CA043322
Van Breemen, Richard B.	CORE Mass Spectrometry Resource for Cancer Research	PAR98-092	CA083124
Welsh, Catherine F	RHO GTPase and Cell Cycle Regulation in Breast Cancer		CA087668
West, Dee W.	Northern California Cooperative Family Registry	CA95-003	CA069417
Yang, Jing	Molecular Mechanisms of Breast Tumor Metastasis		CA101507
Yang, Xiaohong (Rose)	Analysis of Risk Factors for Breast Cancers Classified According to Expression of Hormonal Markers		CP005803-Sub-10015
Zhang, Shumin	Diet, Hormone Replacement Therapy and Breast Cancer		CA096619
Zheng, Wei	Molecular Epidemiologic Study of Breast Cancer		CA090899

Table B-12

NCI Projects Supported in 2003 Addressing the PRG Priority: What types of studies should be pursued to advance our understanding of the role of dietary factors in breast carcinogenesis?

Principal Investigator	Title	RFA or PA	Project ID
Auborn, Karen J	Phytochemicals and Estrogen-enhanced Cancers	CA96-002	CA073385
Bjeldanes, Leonard F	Regulation of Tumor Angiogenesis by Dietary Indoles	PA93-083	CA069056
Blask, David E	Phytomelatonin and Cancer Prevention		CA076197
Brinton, Louise	Study of Breast, Ovarian and Endometrial Cancer in Polish Women		CP010126-Sub-01033
Britton, Julie A	Energy Balance and Breast Cancer in African Americans		CA093447
Carroll, Raymond J.	Measurement Error, Nutrition and Breast/Colon Cancer		CA057030
Colditz, Graham A	Benign Breast Disease and Risk of Breast Cancer	PA92-27	CA046475
Colditz, Graham A	Dietary and Hormonal Determinants of Cancer in Women		CA087969
Dewille, James W	C/EBP Delta Controls Mammary Epithelial Cell G Growth Arrest		CA057607
Dillon, Deborah	Nutrients Effect on Genotype in Breast Cancer		CA079774
Felton, James S	Carcinogenic Significance of Heterocyclic Amines		CA055861
Forman, Michele	Maternal Cohort Study of the Nurses' Health Studies		SC010362
Fraser, Gary E.	Cancer Epidemiology in Adventists--A Low Risk Group		CA094594
Freudenheim, Jo L	Methylation and Oxidation in Breast Cancer Epidemiology		CA092040
Gail, Mitchell	Epidemiologic Field Studies		CP010182
Garcia-Closas, Montserrat	Interactive Effects of Genetic Susceptibility and Environmental Factors on Breast Cancer Risk		CP010126-Sub-01047

Principal Investigator	Title	RFA or PA	Project ID
Gould, Michael N	Modulation of Carcinogenesis by Monoterpenoids	CA83-13	CA038128
Hankinson, Susan E	Biochemical Markers in the Nurses' Health Study Cohort	PA93-83	CA049449
Hein, David W	Pharmacogenetics of Drug and Carcinogen Metabolism	PA95-084	CA034627
Helferich, William G	Dietary Isoflavones, Tamoxifen, and Tumor Growth		CA077355
Hilakivi-Clarke, Leena	Timing of Dietary Exposure and Breast Cancer Risk	CA03-001	CA100970
Hilakivi-Clarke, Leena A	Pregnancy Estrogens, Diet, and Breast Cancer Risk		CA089950
Hu, Frank B	Dietary Patterns, Diet Quality, and Cancer Risk		CA095589
Hursting, Stephen D.	Effect of Obesity on Mammary Tumorigenesis and Metastasis		RC010535
Hursting, Stephen D.	Diet-Gene and Exercise-Gene Interactions in Mammary Carcinogenesis		RC010531
Hursting, Stephen D.	Mechanisms Underlying the Anti-Cancer Effects of Calorie Restriction and Exercise		RC010536
Ip, Clement	Mammary Cancer Prevention by Conjugated Linoleic Acid	CA93-04	CA061763
Ip, Clement C	Cancer Prevention by Selenium-enriched Allium Vegetables		CA027706
Johnson, Peter F.	Role of C/EBP Transcription Factors in Regulating Cell Growth and Tumorigenesis		BC010328
Kline, Kimberly	Human Breast Cancer Cell Growth Inhibition by Vitamin E	PA93-112	CA059739
Kolonel, Laurence N	Epidemiologic Studies of Diet and Cancer in Hawaii		CA033619
Kolonel, Laurence N	Multiethnic Cohort Study of Diet and Cancer	PAS02-009	CA054281
Lampe, Johanna W	Hormone Status Postmenopause: Colonic Bacterial Effects	PAR00-025	CA097475
Lampe, Johanna W	Breast and Bone Density: Impact of Colonic Environment		CA097366
Lin, Young C	Exposure to Beef Growth Promoter in Breast Cancer	CA01-018	CA094718
Maskarinec, Gertraud	Soy Effects on Estrogens and Mammographic Densities		CA080843
McCann, Susan E	Phytoestrogens and Breast Cancer Risk		CA089123
Mehta, Rajendra G	Vitamin D5 in Prevention of Mammary Carcinogenesis		CA082316
Nixon, Daniel W	Low Fat Diet and Breast Cancer Recurrence--Outcome Trial		CA045504
Pathak, Dorothy R	Breast Cancer Gene-Diet Interactions in Polish Women	PA01-021	CA092838
Pathak, Dorothy R	Breast Cancer Gene-Diet Interaction US Polish Migrants	PA01-021	CA096436
Peeters, Petra H	Variations in Plasma Phytoestrogen Levels in Europe	PA01-021	CA099846
Pezzuto, John M	Natural Inhibitors of Carcinogenesis		CA048112
Pierce, John P	RCT of Plant-Based Diet in Breast Cancer Recurrence		CA069375
Posner, Gary H	Chemoprevention/Therapy Using Non-calcemic Vitamin D		CA093547
Ramirez-Marrero, Farah A	University of Puerto Rico-Roswell Park Cancer Partnership	CA03-009	CA096257
Risendal, Betsy C	Quality of Life, Ethnicity, and Breast Cancer Survivors	PAR02-037	CA099830
Rock, Cheryl L	Hormones During Weight Loss in Breast Cancer Survivors	PAR02-037	CA101489
Rohan, Thomas E	Fat Reduction, Hormone Replacement Therapy Use, and Benign Breast Disease Risk		CA077290

Principal Investigator	Title	RFA or PA	Project ID
Schairer, Catherine	Breast Cancer Detection Demonstration Project Followup Study - I		CP010182-Sub-01030
Schatzkin, Arthur	Glycemic Index Coding		CP010127-Sub-10021
Sellers, Thomas A	Epidemiologic and Genetic Studies of Breast Cancer		CA082267
Shore, Roy E	Estrogen Metabolites, Related Genes and Breast Cancer	PAS02-009	CA098661
Sinha, Rashmi	Genetic, Dietary and Hormonal Risk Factors in Breast & Prostate Cancer		CP010127-Sub-03060
Sinha, Rashmi	India Diet and Cancer Study		CP010127-Sub-03082
Sinha, Rashmi	Relationship of Biomarkers to Consumption of Pyrolysis Products in Cooked Meats		CP010127-Sub-03160
Snyderwine, Elizabeth G.	Mechanisms of Mammary Gland Carcinogenesis of Heterocyclicamines		BC010037
Snyderwine, Elizabeth G.	Acquisition of Genomic Alterations During Mammary Gland Cancer Induction in Rats by Food-Derived Heterocyclic Amines		BC005748
Snyderwine, Elizabeth G.	In Vivo Mutagenicity and Carcinogenicity of Heterocyclic Amines in Transgenic Rodent Models		BC005789
Spiegel, Sarah	Sphingosine Kinase and Cancer	CA93-04	CA061774
Steck-Scott, Susan	Gene-Nutrient Interactions and Breast Cancer		CA102640
Taylor, Philip R.	Human Studies of Diet and Nutrition		CN000101
Thomson, Cynthia A	Isothiocyanates, Limonene, and Breast Cancer Prevention		CA093658
Tseng, Marilyn	Dietary Soy/Isoflavones and Urinary Estrogen Metabolites	PA01-021	CA096414
Velie, Ellen	Energy Balance and Breast Cancer in Black & White Women		CA094984
Welsh, Joellen E	Vitamin D-mediated Apoptosis in Mammary Cells		CA069700
Welsh, Joellen E	Bio-activation of Vitamin D in the Mammary Gland	PAR02-176	CA103018
White, Emily	Cohort Study of Dietary Supplements and Cancer Risk		CA074846
Yee, Lisa D	Fatty Acids and Ppars in Breast Cancer Prevention		CA086020
Yeh, Grace Chao	The Effect of Phytochemicals on Biochemical Mechanisms Relevant to Carcinogenesis		BC000155
Zhang, Shumin	Diet, Hormone Replacement Therapy and Breast Cancer		CA096619
Zheng, Wei	Cancer Risk Reduction and Diet: A Cohort Study of Women	PAS02-009	CA070867
Zhu, Bao T	Selective Induction of Estrogen Conjugative Metabolism		CA092391
Ziegler, Regina	Nutrition, Metabolism, and Cancer		CP010169
Ziegler, Regina	Breast Cancer in Asian-American Women		CP010169-Sub-03030

Table B-13

Additional Breast Cancer Etiology Projects

Principal Investigator	Title	RFA or PA	Project ID
Anton-Culver, Hoda A.	NCI Cancer Genetics Network Informatics Center at UCI	CA97-019	CA078285
Anton-Culver, Hoda A.	NCI Cooperative Family Registry for Breast and Colon Cancer Studies Informatics Center at UCI	CA97-022	CA078296
Barcellos-Hoff, Mary-Helen H	Gordon Research Conference on Mammary Gland Biology		CA090303
Brent, Gregory A.	Regulation of the Sodium/Iodide Symporter in Breast		CA089364
Carlin, Bradley P	Statistical Methods in Cancer Control and Epidemiology		CA095955
Clevenger, Charles V.	Multimeric Signaling Complexes in Prolactin Receptor Transduction		CA092265
Coltman, Charles A	Breast Cancer Symposium		CA083702
Dewhirst, Mark W.	Heat and Radiation Effects on Tumor Microcirculation		CA040355
Finkelstein, Dianne M	Coordinating Center for the Cancer Genetics Network	CA97-019	CA078284
Gabrilovich, Dmitry I	Correction of Dendritic Cells Defects in Cancer		CA084488
Glass, Andrew G	Cooperative Breast Cancer Tissue Resource	CA03-503	CA062938
Kiyokawa, Hiroaki	Role of G Cyclin-dependent Kinases in Immortalization and Oncogenesis		CA100204
Kosorok, Michael R	Semiparametric and Empirical Process Methods in Oncology		CA075142
Milikowski, Clara	Cooperative Breast Cancer Tissue Resource (CBCTR)	CA03-503	CA062772
Moskaluk, Christopher A	Tissue Procurement and Processing for Molecular Analysis	CA01-009	CA091654
Nadkarni, Prakash M.	Delivery of the Cancer Genetics Network Information Resource Database	CA97-019	CA078266
Ostrander, Elaine	Genetics of Cancer Susceptibility--A Multisystem Approach		CA090754
Rosenberg, Carol L	Genetic Abnormalities Early on the Path of Breast Cancer		CA081078
Russo, Jose	Fox Chase Cancer Center Breast Cancer Tissue Resources	CA03-503	CA062779
Semenza, Jan C	Trichloroethylene Exposure Assessment	PA01-021	CA094685
Stovall, Marilyn	Radiation Dosimetry for Epidemiologic Studies		CP091024
Umbricht, Christopher B	Fixation of Breast and Prostate Cancer Tissue	PAR00-079	CA091238
Yu, Mimi C	Singapore Cohort Study of Diet and Cancer		CA080205
Zehnbauer, Barbara A	St. Louis Breast Cancer Tissue Registry	CA03-503	CA062773
Zheng, Wei	Shanghai Breast Cancer Study		CA064277