



*Department of Defense*

*Breast Cancer  
Research Program*

*2000 Awards Book  
September 2001*

Headquarters, U.S. Army Medical Research and Materiel Command  
MCMR-PLF, 1077 Patchel Street  
Fort Detrick, Maryland 21702-5024



# TABLE OF CONTENTS

Introduction.....	1
Fiscal Year 2000 Breast Cancer Research Program Funded Awards	
Training/Recruitment Awards	
Undergraduate Summer Training Program Awards .....	4
Predoctoral Traineeship Awards.....	5
Postdoctoral Traineeship Awards.....	11
Clinical Translational Research Fellowship Awards.....	17
Career Development Awards.....	18
Historically Black Colleges and Universities/Minority Institutions	
Focused Training Awards.....	20
Historically Black Colleges and Universities/Minority Institutions	
Partnership Training Awards.....	20
Research Awards	
Idea Awards .....	22
Clinical Bridge Awards .....	37
Clinical Translational Research Awards .....	38
Concept Awards.....	39
Infrastructure Awards	
Collaborative-Clinical Translational Research Awards .....	57
Behavioral Center of Excellence Awards.....	58
Fiscal Year 2000 Breast Cancer Research Program Participants	
Peer Reviewers.....	60
Integration Panel Members .....	83
Ad Hoc Programmatic Reviewers.....	84
Glossary of Terms.....	86

## INTRODUCTION

The U.S. Army Medical Research and Materiel Command is pleased to present the award list of funded projects for the fiscal year 2000 (FY00) Breast Cancer Research Program (BCRP). Award negotiations were completed on September 30, 2001. The awards listed in this document were selected by a competitive two-tiered review process. Funding decisions were based upon scientific excellence evaluated in the first tier of review, followed by programmatic relevance judged in the second tier. These projects represent a diverse portfolio of scientific research in three categories: (1) Training/Recruitment Awards, (2) Research Awards, and (3) Infrastructure Awards.

Congressional direction for FY00 specified \$175 million for breast cancer research. Following the receipt of funds, a programmatic strategy was developed, proposals were requested and evaluated, awards were selected, and contract negotiations were completed. A total of 547 awards was made.

The Training/Recruitment award category includes Undergraduate Summer Training Program (Undergraduate) Awards, Predoctoral Traineeship Awards, Postdoctoral Traineeship Awards, Clinical Translational Research Fellowship Awards, Career Development Awards, Historically Black Colleges and Universities/Minority Institutions (HBCU/MI) Focused Training Awards, and HBCU/MI Partnership Training Awards. Each Undergraduate Award will support the establishment of a summer breast cancer training program to provide meaningful research experiences for 2-8 undergraduate students. Predoctoral Traineeship Awards are intended to support promising graduate students studying breast cancer under the guidance of a designated mentor. Postdoctoral Traineeship Awards and Clinical Translational Research Fellowship Awards should enable recent doctoral or medical degree graduates with limited postdoctoral experience to gain additional experience in breast cancer research. Career Development Awards are intended to free scientists or clinicians at the Assistant Professor (or equivalent) level of academic responsibilities to allow them additional time to pursue breast cancer research. HBCU/MI Focused Training Awards and HBCU/MI Partnership Training Awards are targeted training opportunities for investigators at HBCU/MIs.

The Research award category consists of Concept Awards, Idea Awards, Clinical Bridge Awards, and Clinical Translational Research (CTR) Awards. The intent of Idea Awards is to stimulate and reward creative research ideas that may be viewed as speculative, but have the potential for high payoff. Clinical Bridge Awards are intended to support critical, hypothesis-driven preclinical or post-clinical research projects building toward clinical applications shortly after the completion of the funding period. CTR Awards are intended to support projects in the areas of target-based chemoprevention and therapeutics that apply promising, well-founded laboratory or other preclinical research to the clinical care of patients with, or populations at risk for, breast cancer. Concept Awards were offered by the FY99 BCRP, and a number of alternate proposals were recommended for funding with the FY00 appropriation. The intent of the Concept Awards is to provide funding for 1 year for innovative concepts or theories that could give rise to testable hypotheses.

The Infrastructure award category consists of Collaborative-CTR (C-CTR) Awards and Behavioral Center of Excellence Awards. The intent of C-CTR Awards is to foster the development of highly effective collaborative and consortia models to evaluate promising agents and technologies in well-designed clinical trials that use the combined resources of academia, the private sector, and community-based oncology clinics. Behavioral Center of Excellence Awards are intended to establish multidisciplinary centers that will promote groundbreaking research at the frontier of behavioral science and provide outstanding training opportunities for future leaders in the fields of behavioral and breast cancer research.

As the funded investigators embark on these projects, the Department of Defense and the U.S. Army gratefully acknowledge the participation of their scientist, clinical, and consumer advisors. The expertise, vision, and diversity of perspectives of all individuals who contributed to this program were vital to developing a sound investment strategy on behalf of all persons affected by breast cancer. It is with great anticipation and excitement that we await the outcomes of this research.

***FY00 Breast Cancer Research Program***

***TRAINING/RECRUITMENT AWARDS***

## FY00 Breast Cancer Research Program

### Undergraduate Summer Training Program Awards

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC001183	Andersen	Thomas	Albany Medical College	Breast Cancer Research Undergraduate Summer Training Program	\$114,858
BC000110	Cowan	Kenneth	Nebraska, University of	Breast Cancer Training Program for Summer Undergraduates	\$89,615
BC000957	Folk	William	Missouri, University of, Columbia	Summer Undergraduate Breast Cancer Research Program	\$129,468
BC000031	Ostrand-Rosenberg	Suzanne	Maryland, University of, Baltimore County	Undergraduate Training Program in Breast Cancer Research	\$135,972
BC000104	Qian	Wei	South Florida, University of	Development, Optimization, and Evaluation of CAD System for Breast Cancer	\$135,483
BC001098	Slaughter	Gayle	Baylor College of Medicine	SMART Undergraduate Breast Cancer Research Program	\$136,080

## FY00 Breast Cancer Research Program

### Predoctoral Traineeship Awards

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC001073	Armbruster	Blaine	Duke University Medical Center	Identification and Characterization of Essential Domains in the N-Terminus of the Human Telomerase Catalytic Subunit	\$66,000
BC000239	Banik	Soma	Duke University Medical Center	Identification of Proteins Essential for Telomere Elongation	\$66,000
BC000422	Baur	Joseph	Texas Southwestern Medical Center, University of, Dallas	Telomere Length and Genomic Stability as Indicators of Breast Cancer Risk	\$65,937
BC001091	Berger	Mitchell	Pennsylvania, University of	Rapid Visual Assays of Oncogenic Aberrant erbB Receptor Activation Using Fluorescence Microscopy	\$66,000
BC000133	Biggs	Robyn	Schepens Eye Research Institute	EGF Regulation of VEGF: Role in Progression of ErbB2-Overexpressing Mammary Tumors	\$66,000
BC000358	Blanchette	Carrie	Duke University Medical Center	Characterization of the STK15 Oncogene in Breast Cancer	\$66,000
BC000486	Brandes	Lori	George Washington University	Alterations in Gene Transcription by Physiological Stress: A Mechanism for Drug Resistance through NF-(kappa)B Activation	\$44,000
BC000578	Burke	Patrick	Colorado, University of, Boulder	Synthesis and Evaluation of an Activated Doxorubicin Targeted to Breast Cancer	\$66,000
BC000124	Chan	Carmel	City of Hope Medical Center	In Vitro Selection and Characterization of Herceptin TM Resistant Human Breast Carcinoma Cells	\$66,000
BC000799	Cherlet	Tracy	Manitoba, University of	Interaction between Estrogen Receptor (Beta) and the Transforming Growth Factor-(Beta) Signaling Cascade in Human Breast Tissue	\$65,700
BC000556	Cleveland	Rebecca	North Carolina, University of, Chapel Hill	Insulin-Like Growth Factor I Polymorphisms in Breast Cancer	\$65,858
BC001081	Coticchia	Christine	Georgetown University	Fas/FasL System in c-Myc Expressing Mammary Carcinoma Cells	\$66,000

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC000892	Criswell	Tracy	Case Western Reserve University	Investigating the Role of Nuclear Clusterin (nCLU) in Lethality and Genomic Instability in Paclitaxel (taxol)-Treated Human Breast Cancer Cells	\$64,246
BC000238	Del Rincon	Sonia	McGill University	Molecular Interactions between Insulin-Like Growth Factor Signal Transduction and Retinoids in Breast Cancer Cells	\$64,500
BC000154	Deming	Sandra	North Carolina, University of, Chapel Hill	A Population-Based Investigation of the Role of Focal Adhesion Kinase (FAK) and E-cadherin Expression in Breast Cancer Promotion, Progression, and Therapeutic Response	\$65,988
BC001012	Engle	Laura	New York University School of Medicine	Identification and Characterization of Factors That Affect Estrogen Receptor Transcriptional Activation in Breast Cancer	\$66,000
BC001116	Ercolini	Anne	Johns Hopkins University, East Baltimore Campus	Dissecting the Mechanisms of T Cell Tolerance for More Effective Breast Cancer Vaccine Development	\$66,000
BC001150	Estes	Norman	Southern Research Institute	Inactivation of FGF Receptors by Targeting Ribozymes against FGFR mRNAs and Their Effect on FGF Dependent in Vitro and in Vivo Breast Cancer Growth Phenotypes	\$65,826
BC000678	Evangelista	Caroline	South Carolina, Medical University of	The Role of Insulin-Like Growth Factor (IGF) Binding Proteins (IGFBPs) in IGF-Mediated Tumorigenicity	\$66,000
BC000437	Fleischauer	Aaron	North Carolina, University of, Chapel Hill	An Investigation of Antioxidant Supplements and Medicinal Herbs in Breast Cancer Recurrence and Survival	\$44,000
BC000142	Fusaro	Gina	South Carolina, University of	The Role of the Prohibitin Gene in Apoptosis of Breast Cancer Cells	\$66,000
BC000535	Garcia	Hanh	California, University of, Berkeley	Indole-3-Carbinol Control of the MCF-7 Breast Cancer Cell Cycle by Altering CDK2 Function, Protein Complex Formation and Localization	\$66,000



Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC000643	Gross	Jennifer	Minnesota, University of, Duluth	Insulin-Like Growth Factor Binding Protein-1 Interacts with Integrins to Inhibit Insulin-Like Growth Factor-Induced Breast Cancer Growth and Migration	\$66,000
BC000392	Gutzman	Jennifer	Wisconsin, University of, Madison	Interactions of Prolactin and Estrogenic Compounds in Proliferation of Mammary Epithelial Cells	\$67,376
BC000783	Harris	Jessica	Garvan Institute of Medical Research	Investigation of the Link between Prolactin, Mammary Gland Development, and Carcinogenesis by Transcript Profiling	\$66,000
BC000126	Holley	Christopher	Duke University Medical Center	Reaper-Induced Apoptosis	\$66,000
BC000612	Holloway	Jamie	Georgetown University	Downstream Signaling Mechanism Underlying MAPK-Induced Generation of the ER-Negative Phenotype	\$66,000
BC000112	Hussain	Erum	Illinois, University of, Chicago	Mechanism of Action of a Novel Analog of Vitamin D, 1 (alpha)-Hydroxy-24-Ethyl Cholecalciferol (VD5), in Normal and Transformed Human Breast Epithelial Cells	\$66,000
BC000990	Irazoqui	Javier	Duke University Medical Center	Regulation of Cdc42/Rac Signaling in the Establishment of Cell Polarity and Control of Cell Motility	\$66,000
BC000504	Jeffries	Shawn	Cincinnati, University of	Molecular Mechanisms of Notch Signaling in Neoplasia	\$66,000
BC001052	Kessler	Stacey	Georgetown University	IKK and (Beta)-Catenin in Breast Cancer	\$66,000
BC000754	Lauritsen	Kristina	Georgetown University	Regulation and Role of Nuclear Receptor Coactivator AIB1 in Breast Cancer	\$66,000
BC000838	Lee	Michael	Stanford University	Beam Delivery Verification for Modulated Electron Radiation Therapy Treatment of Breast Cancer	\$64,954
BC000672	Leong	Kevin	British Columbia, University of	Role of Notch4 in Breast Tumor Angiogenesis	\$66,000
BC000981	Liang	Jiyong	Sunnybrook and Women's College Health Science Centre	Activation of PI3K/PKB Signaling in Breast Cancer May Inhibit TGF(Beta)-Induced G1 Arrest through Changes in P27 Function	\$65,860

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC000001	Masino	John	Washington State University, Pullman	At4 Receptor Antagonists and Effects on Tumor Growth and Metastatic Activity	\$66,000
BC000723	Mihindukulasuriya	Kathie	Baylor College of Medicine	The Role of PP4 in NF-(kappa) B Activation and Cell Cycle Regulation in Breast Cancer	\$66,000
BC000395	Moore	Jamie	California, University of, San Francisco	Elucidating the Specificity of Nuclear Receptor-Coactivator Interactions	\$65,063
BC000131	Moore	Sandra	Northern Illinois University	Antizyme Activation in Chemotherapy and Chemoprevention	\$44,000
BC000536	Morrison	Ashby	Baylor College of Medicine	The Role of the Transcriptional Corepressor FKHR in Breast Cancer Tumorigenesis and Estrogen Receptor Function	\$45,572
BC000193	Mullican	Shannon	Baylor College of Medicine	The Role of Novel Nuclear Receptor, Nor-1, in Mammary Gland Development and Tumorigenesis	\$66,000
BC000547	Nasertorabi	Fariborz	Burnham Institute	Structural Studies of p130cas: A Homologue of the Antiestrogen Resistance Gene Product BCAR1	\$65,920
BC000661	Nettles	Kendall	Chicago, University of	Estrogen Receptor Inhibition of NF-(kappa)B Activity in Breast Cancer	\$65,772
BC000921	Nyberg	Kara	Arizona, University of, Tucson	Analysis of Rad9 Functions: Roles in the Checkpoint Response, DNA Damage Processing, and Prevention of Genomic Instability	\$66,000
BC000231	Olson	Michael	Duke University Medical Center	Reaper Induced Cytochrome C Release	\$66,000
BC000394	Parker	Amanda	Tulane University	Phosphatidylinositol 3-Kinase and Protein Kinase C as Molecular Determinants of Chemoresistance in Breast Cancer	\$66,000
BC000335	Peirce	Susan	Clemson University	Identification of Apoptosis Genes Induced by the Human Prolactin Antagonist, hPRL-G129R, in Several Breast Cancer Lines	\$54,107
BC000529	Pieper	Brett	Duke University	New Approaches in SPECT Breast Imaging	\$66,000
BC000809	Qian	Junqing	Children's Hospital, Los Angeles	Cooperative Factors Required for Wnt-Induced Mammary Epithelial Cell Transformation	\$44,000

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC001046	Ray	Ranjan	Georgetown University	The Regulation of the Angiogenic Factor FGF-Binding Protein (FGF-BP) by the APC/(Beta)-Catenin Signaling Pathway in the Progression of Breast Cancer	\$66,000
BC001023	Seger	Yvette	Cold Spring Harbor Laboratory	Genetic Requirements for the Transformation of Human Cells	\$66,000
BC000140	Shumay	Dianne	Hawaii, University of	A Longitudinal Study of Emotional Distress and the Use of Complementary and Alternative Medicine in Women with Breast Cancer	\$66,000
BC000545	Sigurdsson	Stefan	Texas Health Science Center, University of, San Antonio	Functions of Human Rad51 and Other Recombination Factors in DNA Double-Strand Break Repair	\$66,000
BC001055	Soler	Hosanna	Florida State University	Breast Cancer Protective Behaviors among Low-Income, Ethnically Diverse Women: The Role of Biopsychosocial Factors	\$22,000
BC000436	Spalding	Aaron	Colorado Health Sciences Center, University of	The Paracrine Induction of TRAIL by Genotoxic Agents	\$66,000
BC000316	Spencer	Virginia	Manitoba, University of	The Influence of Estrogen on Breast Cancer Cell Proliferation	\$22,000
BC000041	Tashker	Jessica	Duke University Medical Center	Regulation of Apoptosis by AFG3L2, a Potential Oncogene	\$66,000
BC000047	Tower	Grant	Dartmouth College	Inhibition of Collagenase Gene Expression in Drug-Resistant Breast Cancer Cells	\$66,000
BC000019	Van Komen	Stephen	Texas Health Science Center, University of, San Antonio	Functional Interactions of Human Rad54 with the Rad51 Recombinase	\$65,173
BC000220	Wang	Shih Ying	Catholic University of America	Computerized Tomography of Projection Ultrasound	\$65,568
BC001037	Westfall	Matthew	Vanderbilt University	The Role of the Chk1 Kinase in Cell Cycle Checkpoint Response in Breast Epithelial Cells	\$43,816
BC000016	Wilsker	Deborah	Temple University School of Medicine	p270 as a Target for Nuclear Hormone Receptors in Breast Cancer	\$66,000
BC000897	Wohlschlegel	James	Brigham and Women's Hospital	Discovery and Development of Inhibitors That Selectively Interfere with Cyclin-Dependent Kinase Substrate Recognition	\$66,000

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC000291	Xu	Juliana	Cornell University, Weill Medical College	Combination Therapy Employing Retinoids and Chromatin Remodeling Agents in Human Breast Carcinomas	\$65,999
BC001058	Yu	Jong	Pennsylvania, University of	Mechanism of ErbB1 and ErbB2 Hetero-Oligomerization	\$66,000
BC000708	Yuan	Zeng-Qiang	South Florida, University of	The Role of AKT2 in Human Breast Cancer	\$66,000

## FY00 Breast Cancer Research Program

### Postdoctoral Traineeship Awards

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC000787	Al-Barazi	Heba	National Institutes of Health	Regulation of (alpha)3(Beta)1 Integrin-Ligand Binding	\$150,000
BC000959	Billack	Blasé	Strang Cancer Prevention Center	Characterization and Use of Temperature-Sensitive Mutations of BRCA1 for the Study of BRCA1 Function	\$148,247
BC000854	Blackburn	Anneke	Massachusetts, University of, Amherst	Development of Spontaneous Mammary Tumors in BALB/c-p53+/-Mice: Detection of Early Genetic Alterations and the Mapping of BALB/c Susceptibility Genes	\$125,095
BC000870	Chatterji	Urmi	California, University of, Berkeley	I3C Target Identification and Antiproliferative Signaling	\$150,000
BC000326	Chen	Nan Guang	Connecticut, University of, Storrs	Ultrasound Assisted Optical Imaging	\$150,000
BC001077	Chung	Jun	Beth Israel Deaconess Medical Center, Boston	Integrin Regulation of Akt and Breast Cancer Metastasis	\$147,822
BC000125	Crowley	Michael	Cincinnati, University of	The Influence of Stromal Transforming Growth Factor-(Beta) Receptor Signaling on Mouse Mammary Neoplasia	\$150,000
BC000243	Cui	Xiaojiang	Baylor College of Medicine	Progesterone Regulation of Insulin Receptor Substrates Mediates Focal Adhesion Formation in Breast Cancer Cells	\$150,000
BC000476	Damiano	Jason	Burnham Institute	Investigation of Novel Human CED-4 Homolog NAC-X in Apoptosis Regulation of Breast Cancer	\$150,000
BC000253	Ford	Lance	Texas Southwestern Medical Center, University of, Dallas	Characterization and Targeting of a Novel Component of the Telomerase Holoenzyme for a Potential Treatment of Breast Cancer	\$149,066
BC000657	Friesen Waldner	Lanette	John P. Roberts Research Institute	Magnetic Resonance Diffusion Imaging of Cellular Microarchitecture and Microvasculature in Breast Tumors	\$149,989

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC001139	Gao	Minggeng	Brigham and Women's Hospital	Regulation of Endocytic Transport Involved in Cancer Metastasis	\$150,000
BC000882	Garcia	Ivan	California, University of, San Diego	Coactivators and Corepressors in Breast Development and Receptor-Dependent Tumorigenesis	\$150,000
BC000649	Grahn	Sibylla	Scripps Research Institute	Characterizing Growth Factor Receptor Dynamics in Living Cells Using Novel Protein Domain Biosensors	\$150,000
BC000833	Gu	Yueqing	Texas, University of, Arlington	Assessing Vascular Oxygen Dynamics for Breast Tumor Prognosis: Comparison between MR BOLD and Near Infrared Method	\$150,000
BC000722	Hodgson	Graeme	California, University of, San Francisco	Identification of Genetic Factors Driving Metastasis in Breast Cancer	\$150,000
BC001030	Ivanova	Margarita	Baylor College of Medicine	Is HET/SAF-B a Tumor Suppressor Gene in Breast Cancer? Generation of a Mouse Model	\$149,989
BC000853	Jiang	Yangfu	North Shore-Long Island Jewish Health System	Neural Protein Synuclein Gamma (SNCG) in Breast Cancer Progression	\$149,973
BC001056	Ju	Bong-Gun	California, University of, San Diego	The Role of N-CoR during Normal Mammary Gland Development	\$150,000
BC000962	Kerekatte	Vaishali	California, University of, Berkeley	Chemotherapeutic Potential of G1 Cell Cycle Inhibitor Indol-3-Carbinol and Its More Potent N-Alkoxy Derivatives in Human Breast Cancer Xenografts in Mice	\$150,000
BC000320	Kim	Duk-Hwan	Dana-Farber Cancer Institute	The Mechanism of Retinoblastoma Protein-Mediated Terminal Cell Cycle	\$150,000
BC001028	Koolpe	Mitchell	Burnham Institute	EphA2 and Ephrin-A1 Proteins as Targets for Anti-Angiogenic Cancer Therapies	\$150,000
BC000256	Kuang	Shao-Qing	Baylor College of Medicine	Role for Steroid Receptor Coactivators, AIB1 and SRC-1, in Mammary Gland Development and Breast Cancer	\$154,873

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC000254	Lakins	Johnathon	Pennsylvania, University of	Cell Adhesion-Linked Protein Tyrosine Phosphatases and Breast Cancer Metastasis	\$149,910
BC000245	Lee	Kengboon	Massachusetts Institute of Technology	Ubiquitination of RNA Polymerase II and Its Role in Transcription-Coupled DNA Repair	\$125,990
BC000021	Leskov	Konstantin	Case Western Reserve University	The Role of Clusterin in Estrogen Deprivation-Mediated Cell Death in Cancer Cells	\$150,000
BC000433	Liao	Yong	M.D. Anderson Cancer Center, University of Texas	Tumor Suppression and Sensitization to Taxol Induced Apoptosis of E1A in Breast Cancer Cells	\$150,000
BC000836	Liao	Mai-Jing	Whitehead Institute for Biomedical Research	Epithelial Stem Cells in Breast Development and Tumorigenesis	\$149,858
BC000322	Liu	Yongmin	Baylor College of Medicine	Targeting the AP-1 Transcription Factor for the Treatment of Breast Cancer	\$149,958
BC000428	Liu	ZhaoPing	M.D. Anderson Cancer Center, University of Texas	Role of Paracrine Insulin-Like Growth Factor I (IGF-I) Transgene Expression in Mammary Tumorigenesis	\$150,000
BC000455	Malin	Alecia	Vanderbilt University	Insulin Resistance, IGFs, and Energy Balance on the Risk of Breast Cancer	\$149,910
BC000829	Mani	Sendurai	Whitehead Institute for Biomedical Research	Characterization of the Role of Hepatocyte Growth Factor in Genetically Defined Human Breast Cancer Cell Metastasis	\$149,147
BC000020	Narita	Masashi	Cold Spring Harbor Laboratory	Analysis of Apaf-1 and Caspase 9 in Tumorigenesis	\$149,956
BC000889	Novaro	Virginia	Lawrence Berkeley National Laboratory	Extracellular Matrix Regulation of Estrogen Receptors in Mouse Mammary Cells	\$150,000
BC001083	Pajares	Maria	Lawrence Berkeley National Laboratory	TGF-(Beta) Regulation of the Mammary Radiation Response	\$150,000
BC000749	Parmar	Hema	California, University of, San Francisco	Mammary Stromal Effects on Epithelial Differentiation and Expression of ESX and (HER2/neu)	\$143,599
BC000255	Peyton	Michael	Texas Southwestern Medical Center, University of, Dallas	The Role of BE2 in DNA Damage Response	\$150,000

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC000227	Rane	Neena	Wistar Institute	Mechanism of RhoB/FTI Action in Breast Cancer	\$150,000
BC000750	Romieu-Mourez	Raphaelle	Boston University, Boston Campus	Roles of I(light chain)B-(alpha) Protein Kinases in Activation of NF-(light chain)B in Breast Cancer	\$150,000
BC001117	Samant	Rajeev	Pennsylvania State University, Milton S. Hershey Medical Center	Understanding the Mechanism of Action of Breast Metastasis Suppressor BRMS1	\$230,850
BC001029	Sangrar	Waheed	Queen's University	The Role of Fps in Tumor-Associated Angiogenesis	\$149,542
BC000325	Sathya	Ganesan	Duke University Medical Center	Progesterone Receptor Cofactors as Targets for New Breast Cancer Therapeutics	\$150,000
BC000915	Seagroves	Tiffany	California, University of, San Diego	The Contribution of Hypoxia-Inducible Factor (HIF)-1(alpha) to Normal Mammary Gland Development and Mammary Tumorigenesis	\$150,000
BC000808	Seth	Pankaj	Dana-Farber Cancer Institute	Characterization of EIT-6, a Novel Estrogen Responsive Gene	\$150,000
BC000146	Shang	Yongfeng	Dana-Farber Cancer Institute	Dynamics of Estrogen Receptor Transcription Complex Assembly in Breast Cancer	\$149,999
BC001129	Shima	Naoko	Jackson Laboratory	Recombinational Repair Genes and Breast Cancer Risk	\$148,668
BC001191	Stehlik	Christian	Burnham Institute	Regulation of Apoptosis in Breast Cancer by Inhibitor of Apoptosis (IAP) and Novel CARD-Family Proteins	\$150,000
BC000287	Stiles	Bangyan	California, University of, Los Angeles	Functional Analysis of Oncogene Akt: Its Role in Tumorigenesis in Vivo and Cell Cycle Progression in Vitro	\$150,000
BC001020	Sun	Xuejun	South Florida, University of	Optimization of CAD System Using Adaptive Simulated Annealing for Digital Mammography	\$142,032
BC000852	Szegedy	Mary	Cincinnati, University of	The Role of Plakoglobin in Breast Cancer Cell Motility and Invasion	\$150,000
BC000317	Tavaria	Michael	Peter MacCallum Cancer Institute	Breast Tumor/Stromal Cell Interactions in Bone	\$149,784



Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC000963	Torres-Arzayus	Maria	Dana-Farber Cancer Institute	Regulation of the Activity of AIB1, an Estrogen Receptor Coactivator, by Growth Factor Signals	\$150,000
BC001179	Townson	Steven	Baylor College of Medicine	Mechanism of HET/SAF-B Co-Repression of ER(alpha)-Mediated Transcriptional Activation	\$149,997
BC000689	Tsvetkov	Lyuben	Yale University	Identification of New Chk2 Substrates	\$150,000
BC000553	Wang	Ning	California, University of, Irvine	Functional Analysis of LIM Domain Proteins and Co-Factors in Breast Cancer	\$150,000
BC000469	Wang	Mingsheng	North Shore-Long Island Jewish Health System	Breast Cancer Prevention by a Fatty Acid Binding Protein MRG-Induced Pregnancy Like Mammary Gland Differentiation	\$149,973
BC000613	Ward	Irene	Mayo Clinic and Foundation, Rochester	Functional Analysis of Interactions between 53BP1, BRCA1, and p53	\$150,000
BC000248	Wu	Ray-Chang	Baylor College of Medicine	Purification and Identification of RAC3- and SRC-1-Associated Proteins and Study of Their Roles in Breast Cancer Progression	\$150,000
BC000623	Xu	Xingzhi	Yale University	Mechanisms of Chk2 Activation in Response to DNA Damage	\$150,000
BC000933	Yazdi	Parvin	Baylor College of Medicine	Characterizing the Association of BRCA1 with the Components of the Sister Chromatid Cohesion Complex	\$150,000
BC001043	Yennu Nanda	Vashisht	M.D. Anderson Cancer Center, University of Texas	Downregulation of Breast Cancer Gene Expression by Small Molecule Drugs	\$148,855
BC000901	Yoshino	Atsuko	Pennsylvania, University of	Molecular Determinants of tGolgin-1 Function	\$134,000
BC000571	Young	Terry-Lynn	Washington, University of	Genetics of Breast Cancer in an Isolated Population	\$150,000
BC000099	Zhang	Xuexian	Minnesota, University of, Twin Cities	Expression of Metabolic and Apoptotic Genes during Treatment with Chemopreventive Agents for Breast Cancer	\$150,000
BC000303	Zhang	Yan	Burnham Institute	Antibody Microchips to Study Metastasis	\$149,850

## FY00 Breast Cancer Research Program

### Clinical Translational Research Fellowship Awards

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC000498	Emens	Leisha	Johns Hopkins University, East Baltimore Campus	Enhancement of an Allogeneic GM-CSF-Secreting Breast Cancer Vaccine by Immunomodulatory Doses of Cyclophosphamide and Doxorubicin	\$150,494
BC000931	Nunes	Maria	Dana-Farber Cancer Institute	Biological Monitoring of Her-2 Positive Patients Using Serum HER-2 and Circulating Tumor Cells	\$149,943

## FY00 Breast Cancer Research Program

### Career Development Awards

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC000170	Cheng	Shiyuan	Pittsburgh, University of	Suppression of Established Human Breast Tumors by Modulating Tumor Angiogenesis	\$230,926
BC000513	Gilcrease	Michael	M.D. Anderson Cancer Center, University of Texas	Investigation of Alpha6 Integrins and Their Signaling Intermediates as Prognostic Markers for Breast Cancer	\$265,500
BC000056	Kinch	Michael	Purdue University	Antibody Targeting of the EphA2 Kinase on Breast Cancer Cells	\$263,627
BC000577	Leygue	Etienne	Manitoba, University of	Mammaglobin and Lipophilin Related Molecules in Normal and Tumor Human Breast Tissue: Expression, Hormone Regulation, and Functional Analysis	\$238,364
BC001024	Lin	Chen-Yong	Georgetown University	An Epithelial-Derived, Integral Membrane, Kunitz-Type Serine Protease Inhibitor in Breast Cancer	\$254,480
BC001186	Man	Yan-Gao	Armed Forces Institute of Pathology	New Approaches for Early Detection of Breast Tumor Invasion or Progression	\$264,792
BC000803	Pati	Debananda	Baylor College of Medicine	Linking Sister Chromatid Cohesion to Apoptosis and Aneuploidy in the Development of Breast Cancer	\$254,879
BC000228	Sanchez	Yolanda	Cincinnati, University of	Checkpoint Pathways as Therapeutic Targets for Breast Cancer	\$270,804
BC000281	Thiagalingam	Sam	Boston University, Boston Campus	Metastatic Progression of Breast Cancer by Allelic Loss on Chromosome 18q21	\$327,966
BC001175	Walker	William	Virginia, University of	Improved Ultrasonic Imaging of the Breast	\$274,354
BC000554	Weaver	Valerie	Pennsylvania, University of	A Reactive Stromal Matrix, Integrins, Vitamin D, and Malignant Transformation of DCIS	\$176,285
BC000973	Williams	Nancy	Pennsylvania State University	Effects of Moderate Aerobic Exercise Combined with Caloric Restriction on Circulating Estrogens and IGF-I in Premenopausal Women	\$308,210

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC000393	Yeh	Shuyuan	Rochester, University of	From BRCA1 Tumor Suppressor to Androgen Receptor: New Signal Pathway in Breast Cancer	\$376,420
BC000343	Yue	Wei	Virginia, University of	Aromatase Overexpression and Breast Cancer Development	\$333,567

## FY00 Breast Cancer Research Program

### Historically Black Colleges and Universities/ Minority Institutions Focused Training Awards

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC004069	Baldwin	Kate	Howard University	Correlation between the Composition of Various Estrogen Receptors and Ligand Binding	\$149,944
BC004073	Forbes	Digna	Meharry Medical College	Mechanisms of Transforming Growth Factor Beta Receptor II Loss in Breast Neoplasia	\$150,000

## FY00 Breast Cancer Research Program

### Historically Black Colleges and Universities/ Minority Institutions Partnership Training Awards

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC004067	Chouikha	Mohamed	Howard University	A Partnership Training Program in Breast Cancer Diagnosis: Concept Development of Next Generation Diagnostic Breast Imaging Using Digital Image Library and Networking Techniques	\$998,880
BC004071	Day	Agnes	Howard University	Breast Cancer in African American Women: Molecular Analysis of Differences in Incidence and Outcomes	\$1,021,479
BC004074	Flack	Sylvia	Winston-Salem State University	Developing a Training Program in Breast Cancer Research to Decrease the Disparity of Morbidity and Mortality in Underserved/Minority Women	\$998,658

***FY00 Breast Cancer Research Program***

***RESEARCH AWARDS***

## FY00 Breast Cancer Research Program

### Idea Awards

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC000975	Adamson	Eileen	Burnham Institute	Cripto: A Target for Breast Cancer Treatment	\$578,183
BC991092	Adamson	Eileen	Burnham Institute	Cloning Egr-1 Regulated Genes in Breast Cells	\$435,900
BC000662	Akporiaye	Emmanuel	Arizona, University of, Tucson	Tumor-Mediated Suppression of Dendritic Cell Vaccines	\$454,500
BC001036	Awayda	Mouhamed	Tulane University	Regulation of Multidrug Resistance Phenotype and P-Glycoprotein Activity in MCF-7 Cells by the Epithelial Na <sup>+</sup> Channel	\$442,050
BC000247	Bai	Jining	Johns Hopkins University, East Baltimore Campus	Identification of Widely Applicable Tumor-Associated Antigens for Breast Cancer Immunotherapy	\$490,499
BC001045	Balk	Steven	Beth Israel Deaconess Medical Center, Boston	Tamoxifen-Dependent Interaction between the Estrogen Receptor and a Novel p21-Activated Kinase	\$500,892
BC000991	Biegon	Anat	Lawrence Berkeley National Laboratory	Brain-Sparing Strategy for Breast Cancer Treatment and Prevention	\$331,526
BC000648	Boyer	Thomas	Texas Health Science Center, University of, San Antonio	Regulation of BRCA1 Function by DNA Damage-Induced Site-Specific Phosphorylation	\$414,599
BC000319	Branda	Richard	Vermont, University of	Effects of Saint John's Wort and Vitamin E on Breast Cancer Chemotherapeutic Agents	\$453,000
BC000877	Bredow	Sebastian	Lovelace Institutes	Transcriptional Regulation of VEGF Expression in Breast Cancer	\$562,207
BC000552	Bresnick	Anne	Albert Einstein College of Medicine of Yeshiva University	Mts1: A Molecular Link between the Cytoskeleton and Breast Tumor Metastasis	\$501,670
BC000635	Broome	Carolyn	Howard University	Genetics of Breast Cancer in African Americans	\$460,048
BC001066	Byers	Stephen	Georgetown University	Cadherin-11 and Breast Cancer	\$467,986
BC000520	Canaani	Dan	Tel Aviv University	Characterization of the Genetic Context in BRCA1-Deficient Familial Cancers	\$352,500

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC000065	Cassileth	Barrie	Memorial Sloan-Kettering Cancer Center	D-Fraction Maitake for Breast Cancer: Preliminary Research to Determine Viability for Eventual Phase III Trials	\$494,815
BC000194	Chan	Heang-Ping	Michigan, University of	Automated Method for Analysis of Mammographic Breast Density: A Technique for Breast Cancer Risk Estimation	\$451,839
BC000364	Chan	Wing	Nebraska, University of	Epstein-Barr Virus and Breast Cancer	\$437,119
BC000898	Chang	Chawnshang	Rochester, University of	New PTEN Signal Pathway in Breast Cancer	\$478,500
BC000206	Chang	Helena	California, University of, Los Angeles	Non-Invasive Screening for Breast Cancer Biomarkers in Nipple Aspirates by Mass Spectrometry	\$458,125
BC000506	Chang	Jenny	Baylor College of Medicine	To Ascertain Distinctive Gene Expression Patterns for the Prediction of Docetaxel (Taxotere) Chemosensitivity or Chemoresistance in Human Breast Cancer	\$447,184
BC000905	Chen	Phang-Lang	Texas Health Science Center, University of, San Antonio	Small Chemical Molecules That Disrupt BRCA2 and Rad51 Interaction for Adjuvant Breast Cancer Therapy	\$433,500
BC000502	Cheng	Jin	South Florida, University of	AKT2 Oncogene and Phosphoinostide 3-Kinase in Human Breast Cancer	\$434,286
BC000377	Chodosh	Lewis	Pennsylvania, University of	Microarray Analysis of Hormonal Chemoprevention Regimens in the Rat	\$475,322
BC000297	Chuck	Steven	Beth Israel Deaconess Medical Center, Boston	The Non-Classical Secretion of Thioredoxin from Breast Cancer Cells	\$503,296
BC001005	Colbert	Lisa	National Institutes of Health	Exercise and Caloric Restriction in a Spontaneous Mammary Tumorigenesis Model	\$299,826
BC000382	Collet	Jean-Paul	McGill University	The Effects of Non-Steroidal Anti-Inflammatory Drugs on the Risk of Recurrence of and Death from Breast Cancer	\$298,839
BC000543	Connolly	James	Beth Israel Deaconess Medical Center, Boston	Optical Coherence Tomography (OCT) of the Breast: A Feasibility Study	\$422,454



Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC000413	Contreras	Mauricio	Beth Israel Deaconess Medical Center, Boston	Lymphatic Regeneration within Porous VEGF-C Hydrogels for Secondary Lymphedema	\$497,770
BC000525	Cunningham	Albert	Pittsburgh, University of	Investigating the Mechanisms of Action and the Identification of Breast Carcinogens by Computational Analysis of Female Rodent Carcinogens	\$428,341
BC000953	Cutler	Mary	Henry M. Jackson Foundation	Control of Mammary Differentiation by Ras-Dependent Signal Transduction Pathways	\$436,002
BC000423	Darimont	Beatrice	Oregon, University of	Novel Strategies for the Identification and Characterization of Selective Estrogen Receptor Modulators (SERMs)	\$450,000
BC000082	Deng	Chuxia	National Institutes of Health	Effects of Estrogen, Pregnancy, and Therapeutic Drugs on Mammary Tumor Formation in Brca1-Conditional Mutant Mice	\$300,000
BC000562	Deutsch	Mordechai	Bar-Ilan University	The Search for Parameters of Negative SLN Indicators of ALN Status: A Comparative Study in Breast Cancer Patients of Jewish Ashkenazi and Sephardic Ancestry	\$467,341
BC000471	Dewhurst	Stephen	Rochester, University of	Dendritic Cell-Targeted Phage Vectors for Breast Cancer Vaccine Development	\$475,939
BC000710	Dickson	Robert	Georgetown University	Examination of the Contribution of VEGF to the Metastatic Dissemination of c-Myc Overexpressing Breast Cancer Cells	\$306,456
BC001074	Dickson	Robert	Georgetown University	Mechanisms for c-Myc-Induced, TGF(alpha)-Prevented Mouse Mammary Tumors	\$465,569
BC000184	Dobrzanski	Mark	Trudeau Institute	Analysis of Tumor Antigen-Specific Tc1 and Tc2 CD8 Effector Cell Subpopulations as Potential Therapeutic Agents in the Treatment of Progressive Breast Cancer	\$479,985

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC001127	Dorgan	Joanne	Fox Chase Cancer Center	Evaluation of Feasibility for a Case-Control Study of Adrenal Androgen Production in Postmenopausal Women with Breast Cancer	\$218,815
BC001068	Dorgan	Joanne	Fox Chase Cancer Center	Evaluation of Feasibility for a Case-Control Study of Pituitary-Ovarian Function in Premenopausal Women with Breast Cancer	\$178,747
BC001154	Dudley	Jaquelin	Texas, University of, Austin	CDP as a Master Regulator and Tumor Suppressor in the Mammary Gland	\$450,000
BC000544	Eagon	Patricia	VA Medical Center, Pittsburgh, PA	Estrogenicity of Medicinal Botanicals	\$324,402
BC000505	Ebbini	Emad	Minnesota, University of, Twin Cities	Image-Guided Surgery of Primary Breast Cancer Using Ultrasound Phased Arrays	\$431,919
BC000868	Elledge	Stephen	Baylor College of Medicine	Analysis of the DNA Damage Signaling Network Important for Prevention of Breast Cancer	\$451,500
BC000631	Esenaliev	Rinat	Texas Medical Branch, University of, Galveston	Novel Drug Delivery Technique for Breast Cancer Therapy	\$447,000
BC001174	Formenti	Silvia	New York University School of Medicine	Hypo-Fractionated Conformal Radiation Therapy to the Tumor Bed after Segmental Mastectomy	\$411,060
BC000790	Freedman	Leonard	Memorial Sloan-Kettering Cancer Center	Role of DRIP Coactivator Complex in ER-Mediated Breast Tumorigenesis	\$499,182
BC000636	Frisch	Steven	Burnham Institute	Are Diadenosine Polyphosphates and/or Fhit Involved in Anoikis?	\$390,474
BC000716	Furth	Priscilla	Georgetown University	ER(alpha), EGF, and Prolactin Growth Pathways and Progression of Preneoplasia in Mouse Models	\$445,500
BC000144	Gabrielson	Edward	Johns Hopkins University, East Baltimore Campus	Molecular Epidemiology of Breast Cancer in Korean Women	\$490,699
BC000669	Gaczynska	Maria	Texas Health Science Center, University of, San Antonio	Molecular Characteristics of Multicorn, a New Large Proteolytic Assembly and Potential Anti-Cancer Drug Target, in Human Breast Cancer Cells	\$324,056

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC000742	Gao	Qingshen	New England Medical Center, Boston	Susceptibility of BRCA2 Heterozygous Normal Mammary Epithelial Cells to Radiation Induced Transformation	\$465,152
BC000491	Garwood	Michael	Minnesota, University of, Twin Cities	Prediction of Chemotherapy Response by Magnetic Resonance Spectroscopy	\$438,002
BC000365	Geck	Peter	Tufts University School of Medicine	Estrogen-Induced Molecular Mediators of Breast Tumor Regression	\$475,500
BC000431	Gewirtz	David	Virginia Commonwealth University	Reciprocal Regulation of Senescence and Apoptosis in Response to Adriamycin in the Breast Tumor Cell	\$428,614
BC000363	Goth Goldstein	Regine	Lawrence Berkeley National Laboratory	Role of CYP1B1 in PAH-DNA Adduct Formation and Breast Cancer Risk	\$475,248
BC000007	Gould	Michael	Wisconsin, University of, Madison	The Role of Amplified Wild-Type Neu in the Etiology of Breast Cancer	\$427,344
BC001011	Han	Jiahuai	Scripps Research Institute	Identification of the Genes Involved in Tamoxifen-Sensitivity in Breast Cancer Cells	\$531,673
BC000765	Harper	Jeffrey	Baylor College of Medicine	Identification of Genes Regulated by Proteolysis	\$451,500
BC000974	Harvey	Jennifer	Virginia, University of	Increasing Mammographic Breast Density in Response to Hormone Replacement Therapy and Breast Cancer Risk	\$286,579
BC000944	Hoon	Dave	John Wayne Cancer Institute	Serum DNA Microsatellites as Surrogate Genetic Markers of Breast Cancer Progression	\$566,400
BC000033	Ioannides	Constantin	M.D. Anderson Cancer Center, University of Texas	Immunity by Hydrophobic Appendage Bearing Antigens	\$426,927
BC001026	Iozzo	Renato	Thomas Jefferson University	An Anti-Oncogenic Role for Decorin in Mammary Carcinoma	\$477,000
BC000420	Jupe	Eldon	Oklahoma Medical Research Foundation	A Novel Marker for Assessing Breast Cancer Susceptibility	\$677,500
BC000503	Kaaks	Rudolf	International Agency for Research on Cancer	Breast Cancer Risk in Relation to Serum IGF-1, IGFBP-3, and Their Genetic Determinants: A Study within the European Prospective Investigation into Cancer (EPIC)	\$315,128

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC000564	Keri	Ruth	Case Western Reserve University	A Transgenic Model of Ovarian Hyperstimulation and Mammary Cancer Predisposition	\$440,618
BC001168	Kerns	Robert	Wayne State University	New Inhibitors of Breast Cancer-Associated Heparanase	\$446,344
BC000764	Khokha	Rama	University Health Network, Toronto	Molecular Tracking of Proteolysis during Breast Cancer Cell Extravasation: Blockage by Therapeutic Inhibitors	\$298,697
BC000530	Kieber-Emmons	Thomas	Pennsylvania, University of	Maximizing Immune Responses to Carbohydrate Antigens on Breast Tumors	\$472,709
BC000389	Kiessling	Laura	Wisconsin, University of, Madison	Cell Surface Targeting with Synthetic Saccharide Conjugates	\$432,000
BC000414	Kim	Young-In	Toronto, University of	The Effects of Folate on the Development of Breast Cancer in a Chemical Rodent Model of Mammary Carcinogenesis	\$431,607
BC000660	Kinch	Michael	Purdue University	Antibody Targeting of the EphA2 Kinase on Breast Cancer Cells	\$437,275
BC000153	Koide	Shohei	Rochester, University of	Novel Diagnostic Reagents for Aggressive Breast Cancer	\$478,345
BC000985	Kretzschmar	Marcus	Mount Sinai School of Medicine, New York	Analysis of Alk-1 Signaling in Endothelial Cells and Its Role in Breast Tumor Angiogenesis	\$494,546
BC000638	Kurt	Robert	Lafayette College	Targeted Disruption of Tumor-Derived Chemokine Synthesis and Reversal of Tumor-Induced Immune Suppression	\$214,142
BC000108	Lang	Elvira	Beth Israel Deaconess Medical Center, Boston	Self-Hypnotic Relaxation for Large Core Breast Biopsy	\$509,102
BC000633	Leavitt	Dennis	Utah, University of	Optimization of Breast Cancer Treatment by Dynamic Intensity Modulated Electron Radiotherapy	\$417,715
BC001059	LeCarpentier	Gerald	Michigan, University of	Characterization of Breast Masses Using a New Method of Ultrasound Contrast Agent Imaging in 3D Mapping of Vascular Anomalies	\$459,794
BC000814	Lee	Amy	Southern California, University of	Controllable Gene Therapy for Human Breast Cancer	\$488,000

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	Last Name	First Name			
BC001014	Lee	Amy	Southern California, University of	Glucose Stress Response and Drug Resistance in Human Breast Cancer	\$163,000
BC000756	Lerner	Adam	Boston University, Boston Campus	Analysis of AND-34, a Novel p130Cas-Binding GDP Exchange Factor Implicated in the Development of Tamoxifen Resistance in Human Breast Cancer	\$469,209
BC009014	Levine	Paul	George Washington University	The Establishment of an Inflammatory Breast Cancer Registry and Biospecimen Repository	\$455,980
BC000982	Lingle	Wilma	Mayo Clinic and Foundation, Rochester	Investigation of Gene Expression Correlating with Centrosome Amplification in Development and Progression of Breast Cancer	\$391,521
BC000216	Luduena	Richard	Texas Health Science Center, University of, San Antonio	The Role of Nuclear (Beta) (pi)-Tubulin in Breast Cancer Cells	\$421,159
BC000500	Lydon	John	Baylor College of Medicine	The Role of Calcitonin, a Progesterone-Responsive Gene, and the Calcitonin Receptor in Mammary Gland Development and Tumorigenesis	\$451,500
BC000457	Mach	Robert	Wake Forest University School of Medicine	PET Radiotracers for Imaging the Proliferative Status of Breast Tumors	\$437,372
BC000782	Makrigiorgos	Michael	Dana-Farber Cancer Institute	Technology for Identification of Polymorphisms Crucial to Breast Cancer Development	\$339,418
BC001187	Man	Yan-Gao	Armed Forces Institute of Pathology	New Approaches for Early Detection of Breast Tumor Invasion or Progression	\$336,573
BC000573	Marmorstein	Ronen	Wistar Institute	Structure and Function of the AIB1 (Amplified in Breast Cancer-1) Protein	\$455,224
BC000429	Masso-Welch	Patricia	Health Research Inc., Roswell Park Division, New York State Department of Health	Modulation of Breast Epithelial Cell Growth and Susceptibility to Carcinogenesis by Cholesterol-3-Sulfate	\$488,357
BC000821	McCarty	Kenneth	Pittsburgh, University of	Prognostic Value of Steroid Receptor Cofactor Localization in Breast Cancer	\$448,319
BC001145	McLeskey	Sandra	Maryland, University of, Baltimore	Fibrinolysis in Tumor Associated Angiogenesis	\$445,297

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC000697	Mercurio	Arthur	Beth Israel Deaconess Medical Center, Boston	Integrin-Mediated Stimulation of HIF-1(alpha) and Angiogenesis in Breast Cancer	\$484,340
BC000454	Michels	Karin	Brigham and Women's Hospital	Severe Caloric Restriction in Adolescence and Incidence of Breast Cancer	\$196,204
BC000987	Mitchell	Malcolm	Wayne State University	Development of Superagonist Mimics to Epitopes Defined by Cytotoxic and Helper T Cells	\$433,862
BC000997	Moran	Elizabeth	Temple University School of Medicine	Regulation of Osteopontin and Bone Sialoprotein Expression in Breast Cancer Cells	\$450,000
BC000072	Mueller	Christopher	Queen's University	Transcriptional Regulation of the BRCA1 Promoter and Its Role in Sporadic Breast Cancer	\$406,522
BC000235	Muller	William	McMaster University	Significance of ER (alpha) and c-Src Interaction in Progression of Hormone Independent Breast Cancer	\$298,911
BC000425	Muschler	John	Lawrence Berkeley National Laboratory	Restoration of Dystroglycan Function as a Novel Target for Cancer Therapy	\$526,099
BC000735	Nakshatri	Harikrishna	Indiana University, Indianapolis	NF-(kappa)B-Mediated Repression of GADD153/CHOP: A Role in Breast Cancer Initiation	\$351,558
BC000069	Neville	Margaret	Colorado Health Sciences Center, University of	The Role of Claudin-7 in the Mouse Mammary Gland and Tumorigenesis	\$446,229
BC001135	Newschaffer	Craig	Johns Hopkins University, East Baltimore Campus	Serum FAS and the Early Detection of Breast Cancer	\$490,618
BC001053	Nichols	Mark	Pittsburgh, University of	Pathologic Correlates of ER Mutations Affecting p160 Coactivator Binding Sites	\$448,161
BC000106	Ormandy	Christopher	Garvan Institute of Medical Research	Discovery of Novel Mammary Developmental and Cancer Genes Using ENU Mutagenesis	\$298,975
BC000379	Orr	George	Albert Einstein College of Medicine of Yeshiva University	Taxol Resistance and Microtubule Dynamics in Breast Cancer	\$501,660
BC001096	Oshima	Robert	Burnham Institute	An Ets2 Dependent Restriction of Mammary Tumors	\$584,760

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC000416	Ostrand-Rosenberg	Suzanne	Maryland, University of, Baltimore	STAT6 Deletion Enhances Immunity to Mammary Carcinoma	\$425,907
BC000472	Pati	Debananda	Baylor College of Medicine	Linking Sister Chromatid Cohesion to Apoptosis and Aneuploidy in the Development of Breast Cancer	\$424,652
BC000651	Penn	Linda	University Health Network, Toronto	Exploiting the Novel Repressed Transactivator Assay to Identify Protein Interactors and Peptide Inhibitors of the Myc Oncoprotein	\$296,142
BC000342	Pentecost	Brian	Health Research Inc., Rensselaer, New York State Department of Health	Antibody Probes to Estrogen Receptor-(alpha) Transcript-Specific Upstream Peptides: Alternate ER-(alpha) Promoter Use and Breast Cancer Etiology/Outcome	\$440,949
BC000419	Perman	William	St. Louis University	Non-Invasive Detection and Characterization of Breast Neoplasms Using Sodium-23 Magnetic Resonance Mammography	\$428,547
BC000518	Pietenpol	Jennifer	Vanderbilt University	The Role of Chk1 in Breast Epithelial Cell Checkpoint Function	\$453,889
BC000609	Rameh Plant	Lucia	Beth Israel Deaconess Medical Center, Boston	The Role of Novel Phosphoinositide Pathways in Breast Cancers	\$507,900
BC000865	Ratner	Stuart	Wayne State University	Enhancing the Effectiveness of Breast Cancer Immunotherapy through Manipulation of the T Cell Cytoskeleton	\$280,507
BC000966	Riegel	Anna	Georgetown University	Role of a Novel Splice Variant of the Steroid Receptor Coactivator AIB1 in Breast Cancer	\$465,600
BC000465	Rimm	David	Yale University	Outcome Based Screening for Prognostic Phospho-RTK (Receptor Tyrosine Kinase) Antibodies Using Tissue Microarrays	\$490,500
BC000727	Robson	Mark	Memorial Sloan-Kettering Cancer Center	Influence of Radiotherapy and Tamoxifen on Contralateral Cancer Risk in Women with Hereditary Breast Cancer	\$476,809

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC000917	Rosenberg	Carol	Boston University, Boston Campus	Genes Differentially Expressed at the Transition from Premalignancy to Carcinoma	\$469,123
BC000572	Sahiner	Berkman	Michigan, University of	Computer-Aided Characterization of Breast Masses on Volumetric Ultrasound Images: An Adjunct to Mammography	\$439,657
BC001138	Sauter	Edward	Thomas Jefferson University	Celecoxib in Women at Increased Breast Cancer Risk	\$346,899
BC001122	Sauter	Edward	Thomas Jefferson University	Mitochondrial Mutations in Tumors and in Nipple Aspirate Fluid Collected from the Same Breast	\$330,088
BC000800	Schaufele	Fred	California, University of, San Francisco	Cellular Imaging Technologies for Discovering Improved Breast Cancer Therapies	\$438,384
BC001038	Schmeichel	Karen	Lawrence Berkeley National Laboratory	What Makes AZU-1 a Breast Tumor Suppressor?	\$516,398
BC000582	Sen	Subrata	M.D. Anderson Cancer Center, University of Texas	STK15/BTAK and Centrosome Anomaly in Human Breast Cancer	\$227,039
BC000911	Shtivelman	Emma	California, University of, San Francisco	Analysis of Pro-Apoptotic and Antiangiogenic Activity of CC3 in Breast Cancer Cells	\$295,044
BC000305	Shyamala	Gopalan	Lawrence Berkeley National Laboratory	Impact of C-neu/erbB2 on Estrogen and Estrogen Receptor Alpha-Dependent Proliferation of Mammary Ductal Epithelial Cells	\$527,429
BC000593	Simon	Sanford	New York, State University of, Stony Brook	Antiangiogenic Action of Chemically Modified Tetracyclines in Breast Cancer	\$447,573
BC000761	Sommer	Steve	City of Hope Medical Center	Lipophilic Mutagens, Fat Consumption, and Breast Cancer	\$524,865
BC000920	Songyang	Zhou	Baylor College of Medicine	Genetic and Functional Studies of Genes That Regulate DNA-Damage-Induced Cell Death	\$481,188
BC000986	Spychala	Jozef	North Carolina, University of, Chapel Hill	Growth-Promoting and Angiogenic Functions of Adenosine in Breast Cancer	\$435,470
BC000242	Still	Ivan	Health Research Inc., Roswell Park Division, New York State Department of Health	Functional Interactions of the TACC2 Breast Tumor Suppressor Gene and Its Relevance to Breast Tumor Progression	\$314,145



Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC000430	Su	Min-Ying	California, University of, Irvine	Anti-Angiogenic Therapeutic Indicators in Breast Cancer	\$300,800
BC000022	Sugg	Sonia	Medical College of Wisconsin	Use of a Transgenic Mouse Model with a Regulatable Estrogen Receptor Alpha (ER) to Study the Role of ER in Mammary Gland Development and Cancer	\$397,847
BC000088	Sukumar	Saraswati	Johns Hopkins University, East Baltimore Campus	Imaging the Vascular and Metabolic Impact of Claudin-7, a Tight Junction Protein, in Transgenic Human Breast Cancer Models	\$490,740
BC000637	Sukumar	Saraswati	Johns Hopkins University, East Baltimore Campus	Early Detection of Breast Cancer by Molecular Analysis of Ductal Lavage Fluid	\$490,740
BC000073	Sun	Peiqing	Scripps Research Institute	Identification of Potential Biomarkers for the Early Diagnosis of Breast Cancer	\$531,900
BC000312	Sun	Luzhe	Texas Health Science Center, University of, San Antonio	Effect of Estrogen on Mutagenesis in Human Mammary Epithelial Cells	\$433,490
BC000859	Sweeney	Carol	Minnesota, University of, Twin Cities	Metabolizing Enzyme Polymorphisms and Prognosis among Women Treated for Breast Cancer	\$421,829
BC000602	Szoka	Francis	California, University of, San Francisco	Targeted Chemotherapy to Treat Breast Cancer	\$441,031
BC000596	Tice	Jeffrey	California, University of, San Francisco	Soy and Tamoxifen for Breast Cancer Prevention in High Risk Premenopausal Women	\$381,039
BC000162	Tomlinson	Stephen	South Carolina, Medical University of	Strategies to Enhance Complement-Mediated Destruction of Breast Tumor Cells	\$416,573
BC000694	Tyner	Angela	Illinois, University of, Chicago	Breast Tumor Kinase (BRK) Signaling in Breast Cancer	\$465,900
BC000283	Ueno	Naoto	M.D. Anderson Cancer Center, University of Texas	Reduction of Radiation- or Chemotherapy-Induced Toxicity by Specific Expression of Anti-Apoptotic Molecules in Normal Cells	\$409,209
BC000311	Umek	Robert	IGEN International	Therapeutic Catalytic Antibody for Breast Cancer	\$419,820
BC000121	Uzgiris	Egidijus	GE Research and Development Center	Reptating Polymeric MR Contrast Agents for Angiogenesis Evaluation	\$677,512
BC001086	Virmani	Arvind	Texas Southwestern Medical Center, University of, Dallas	Prediction of Breast Cancer Risk by Aberrant Methylation in Mammary Duct Lavage	\$461,518

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	Last Name	First Name			
BC000607	Von Seggern	Daniel	Scripps Research Institute	Dendritic Cell-Targeted Adenoviral Cancer Vaccines	\$509,170
BC000914	Wang	Shaomeng	Georgetown University	Structure-Based Approach for Discovery of Small Molecule Inhibitors Targeted at Bcl-2	\$465,450
BC000211	Watson	Cheryl	Texas Medical Branch, University of, Galveston	Signal Transduction Pathways in Breast Cancer Cell Proliferation--Signals Initiated via a Plasma Membrane Receptor for Estrogen Receptor-(alpha)	\$446,999
BC000187	Weaver	Valerie	Pennsylvania, University of	A Reactive Stromal Matrix, Integrins, Vitamin D, and Malignant Transformation of DCIS	\$459,864
BC000741	Wei	Wei-Zen	Wayne State University	DNA Vaccination to Overcome Peripheral-Tolerance	\$446,643
BC000415	Wieder	Robert	New Jersey, University of Medicine and Dentistry of, Newark	The Roles of FGF-2, TGF Beta, and TGF Beta Receptor 2 in Breast Cancer Dormancy	\$363,039
BC000043	Wiemer	David	Iowa, University of	The Schweinfurthins: New Leads for Novel Breast Cancer Therapy	\$377,551
BC000956	Williams	Nancy	Pennsylvania State University	Effects of Moderate Aerobic Exercise Combined with Caloric Restriction on Circulating Estrogens and IGF-I in Premenopausal Women	\$408,878
BC001093	Wong	Lee-Jun	Georgetown University	Mitochondrial DNA Mutations in Breast Cancer	\$465,599
BC001004	Wong	Lee-Jun	Georgetown University	The Polymorphic Polyglutamine of AIB1 and Its Relationship to Breast Cancer	\$462,800
BC000361	Woo	Savio	Mount Sinai School of Medicine, New York	Antiangiogenic Gene Therapy for Breast Cancer Using Targeted Recombinant Adenovirus	\$495,990
BC000328	Wordeman	Linda	Washington, University of	MCAK and Stathmin Upregulation in Breast Cancer Cells: Etiology and Response to Pharmacologic Reagents	\$293,956
BC000411	Xue	Ding	Colorado, University of, Boulder	Selection of Aptamers for CED-9/Bcl-2 Family Cell Death Regulators and Their Application in Study of Apoptosis Regulation and Drug Design for Breast Cancer	\$433,322

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC000324	Yang	Dajun	Georgetown University	Structure-Based Discovery of Novel Inhibitors of Protein Kinase B/Akt	\$465,450
BC000561	Yee	Lisa	Ohio State University	Rosiglitazone Therapy in Breast Cancer	\$440,857
BC001085	Yen	Timothy	Fox Chase Cancer Center	Validate Mitotic Checkpoint and Kinetochore Motor Proteins in Breast Cancer Cells as Targets for the Development of Novel Anti-Mitotic Drugs	\$507,838
BC000645	Yew	P. Renee	Texas Health Science Center, University of, San Antonio	The Role of BRCA1-Dependent Ubiquitination in Breast Cancer	\$411,006
BC000080	Yin	Shi	Nova R & D, Inc.	High Uniformity CdZnTe Detectors for Digital Mammography	\$510,306
BC000251	Yu	Dihua	M.D. Anderson Cancer Center, University of Texas	Role of 14-3-3 Zeta in Breast Cancer Metastasis	\$447,860
BC000916	Yue	Wei	Virginia, University of	Aromatase Overexpression and Breast Cancer Development	\$396,053
BC000210	Zahnow	Cynthia	Johns Hopkins University, East Baltimore Campus	CCAAT/Enhancer Binding Protein (Beta) (C/EBP(Beta)): A Bridge between Cell Surface Receptor Signaling and the Nuclear Cell Cycle Machinery	\$490,500
BC000976	Zhan	Xi	American Red Cross	The Role of Actin Polymerization in Tumor Metastasis	\$462,600
BC001182	Zhang	Xiao-Kun	Burnham Institute	A Novel Molecular Target for Breast Cancer Prevention and Treatment	\$584,822
BC000771	Zhao	Wei	New York, State University of, Stony Brook	An Amorphous Selenium Flat-Panel Digital Mammography Detector for Digital Tomosynthesis	\$445,648
BC000313	Zhu	Yijun	Northwestern University Medical School	The Role of PRIP in Breast Cancer	\$308,097

## FY00 Breast Cancer Research Program

### Clinical Bridge Awards

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC000229	Blend	Michael	Illinois, University of, Chicago	Novel Approach for Evaluating and Treating Advanced Breast Cancer Patients Whose Tumors Overexpress HER-2/neu	\$301,547
BC000288	Denardo	Sally	California, University of, Davis	A Modular Tumor Targeting System to Deliver Tumoricidal Radioimmunotherapy to Eradicate Metastatic Breast Cancer	\$441,898
BC000702	Egilmez	Nejat	Health Research Inc., Roswell Park Division, New York State Department of Health	Tumor Vaccination with Cytokine-Loaded Microspheres	\$468,250
BC000086	Gralow	Julie	Washington, University of	Modulation of Postmenopausal Steroid Hormone Levels by Phytoestrogens and Correlation with Breast Proliferative Activity and Menopausal Symptoms	\$291,788
BC001079	Li	Luyuan	Georgetown University	Anticancer Therapeutic Potential of VEGI, an Antiangiogenic Cytokine	\$465,600

## FY00 Breast Cancer Research Program

### Clinical Translational Research Awards

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC004044	Baar	Joseph	Pittsburgh, University of	Dendritic Cell-Based Immunotherapy of Breast Cancer: Modulation by CpG DNA	\$587,302
BC004043	Gendler	Sandra	Mayo Clinic and Foundation, Scottsdale	Immunotherapeutic Strategies in Breast Cancer: Preclinical and Clinical Trials	\$1,901,322
BC004028	Lu	Leejane	Texas Medical Branch, University of, Galveston	Soybean Diet and Breast Density	\$2,983,163
BC004021	Pegram	Mark	California, University of, Los Angeles	Mechanistically Based Combined Biological Therapy of Breast Cancer Using Monoclonal Antibodies Directed against HER2/neu Proto-Oncogene and Vascular Endothelial Growth Factor (VEGF)	\$2,232,425
BC004026	Thompson	Henry	AMC Cancer Research Center	Selenium and Breast Cancer Chemoprevention	\$1,553,417

## FY00 Breast Cancer Research Program

### Concept Awards

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC995864	Abcouwer	Steve	New Mexico, University of	Demonstration That a MRNA Binding Protein Is Responsible for GADD45 MRNA Destabilization	\$73,500
BC995603	Adams	Gregory	Fox Chase Cancer Center	Rapid Generation and Screening of Novel Bispecific Single-Chain Fv Molecules Capable of Inhibiting the Growth of Breast Cancer	\$86,375
BC996750	Adnane	Jalila	South Florida, University of	Disruption of Transforming Growth Factor Beta Signaling in Highly Metastatic Breast Carcinoma Cells	\$72,500
BC995779	Akporiaye	Emmanuel	Arizona, University of, Tucson	Preclinical Studies of Dendritic Cell-Tumor Cell Fusion Vaccines to Treat Breast Cancer	\$75,750
BC995063	Andersen	Thomas	Albany Medical College	Gravidomimetic Prevention of Breast Cancer	\$77,500
BC996936	Anderson	Carolyn	Washington University	Radiolabeled Matrix Metalloproteinase Inhibitors for Breast Cancer Therapy	\$77,000
BC995540	Antonia	Scott	South Florida, University of	Breast Cancer Escape from T Cell Rejection Mediated by Indoleamine 2,3-dioxygenase	\$72,500
BC996249	Armstrong	Katrina	Pennsylvania, University of	Identifying and Reaching Populations at Risk: The Paradox of Breast Cancer Control	\$79,250
BC996242	Arteaga	Carlos	Vanderbilt University	Akt: A Potential Therapeutic Target in Human Breast Cancer	\$75,750
BC995052	Bai	Jining	Johns Hopkins University, East Baltimore Campus	Oncogenic Members of pP32 Family, the Widely Applicable Targets for Immunotherapy in Human Breast Cancer	\$81,750
BC996209	Bai	Wenlong	South Florida, University of	MEKK1-JNK/P38 Pathways and the Resistance of Breast Cancer to Tamoxifen	\$72,500
BC995070	Bain	Lisa	Clemson University	Is Altered Metabolism and Elimination Responsible for Tamoxifen Resistance?	\$70,000
BC995795	Ballon	Douglas	Memorial Sloan-Kettering Cancer Center	Monitoring Therapeutic Response of Metastatic Breast Lesions Using Magnetic Resonance Imaging of Water Self-Diffusion Coefficients	\$82,050

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC996260	Basse	Per	Pennsylvania, University of	How Are Breast Cancer Metastases Able to Survive and Grow in Draining Lymph Nodes?	\$75,000
BC995003	Bastani	Roshan	California, University of, Los Angeles	Understanding Why Asians Do Not Participate in Genetic Evaluation and Susceptibility Testing for Breast Cancer	\$76,500
BC996960	Baumbach	Lisa	Miami School of Medicine, University of	Genome-Wide Expression Analysis of Breast Cancer in African Americans	\$75,000
BC995804	Bender	Catherine	Pittsburgh, University of	A Pilot Study of the Efficacy of an Intervention to Compensate for Learning, Memory, and Attention Deficits Following Chemotherapy for Breast Cancer	\$69,691
BC995805	Benevolenskaya	Elizaveta	Dana-Farber Cancer Institute	Molecular Mechanisms of pRB Function in Differentiation Contributing to pRB-Mediated Tumor Suppression	\$86,000
BC996263	Bhatia	Pardeep	Connecticut, University of, Farmington	Study of RANKL Expression in Metastatic Breast Carcinoma	\$69,650
BC995551	Bissell	Mina	Lawrence Berkeley National Laboratory	Involvement of Two Novel Morphoregulatory Molecules in Breast Morphogenesis and Invasive Cancer	\$83,215
BC996273	Bromberg	Jacqueline	Memorial Sloan-Kettering Cancer Center	The Role of STAT3 in Breast Cancer Tumorigenesis	\$50,000
BC995102	Brown	Ronald	Quality Biological, Inc.	Ex Vivo Expansion of Dendritic Cells for Breast Cancer Treatment	\$142,928
BC995826	Brufsky	Adam	Pittsburgh, University of	Determination of a Unique Pattern of Gene Expression in Node Positive Breast Cancer Using Serial Analysis of Gene Expression (SAGE)	\$74,750
BC995111	Burow	Matthew	Tulane University	Coactivator and Corepressor Expression as a Mechanism for Regulation of Apoptosis and Cell Survival in Normal, Immortal, and Neoplastic Breast Epithelial Cells	\$74,250
BC995829	Cai	Lisheng	Illinois, University of, Chicago	Cytotoxic Antiestrogen for Breast Cancer	\$77,650
BC995117	Campbell	Michael	California, University of, San Francisco	Does Pregnancy Immunize against Breast Cancer?	\$73,750

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	Last Name	First Name			
BC995831	Carper	Stephen	Nevada, University of, Las Vegas	Heat Shock Protein 27 Inhibits Apoptosis by Binding Cytochrome c	\$50,000
BC995121	Casale	George	Nebraska, University of	Development of a Monoclonal Antibody against Estrogen Quinone-Adducted Proteins as Potential Biomarkers of Breast Cancer Risk	\$73,750
BC995838	Chaney	William	Nebraska, University of	Control of Metastasis-Associated Gene Expression by Cell-Surface Beta-1,6 Branched Oligosaccharide Levels	\$73,750
BC995127	Chen	David	Lawrence Berkeley National Laboratory	BRCA2 Is an Essential Component of the Rad51-Dependent DNA Repair Complex	\$86,057
BC995570	Cheng	Genhong	California, University of, Los Angeles	Determining if EBV Infection Contributes to Breast Carcinogenesis: Does LMP-1-Mediated Upregulation of EGFR and Bcl-X Affect Breast Cancer Pathogenesis?	\$76,500
BC996287	Chodosh	Lewis	Pennsylvania, University of	Single-Step Induction of Mammary Adenocarcinomas by Neu Using an Inducible Transgenic System	\$79,250
BC995854	Cohick	Wendie	Rutgers University	Phosphorylation of Intracellular IGF Binding Protein-3 by the IGF Signaling Cascade is Essential for Its Growth-Enhancing Effect in Mammary Epithelial Cells	\$78,000
BC996291	Collins	Colin	California, University of, San Francisco	A Genomics Approach to Tumor Genome Analysis	\$73,500
BC996522	Conzen	Suzanne	Chicago, University of	Temporal Patterns of Mammary Epithelial Cell Gene Expression in Response to Glucocorticoid Receptor Activation	\$75,500
BC995859	Coyne	James	Pennsylvania, University of	Evaluation of a Peer-Staffed Hotline for Families Who Received Genetic Testing for Risk of Breast Cancer	\$79,250
BC995862	Cui	Zheng	Wake Forest University School of Medicine	Blocking Internalization of Phosphatidylethanolamine at Cleavage Furrow of Mitosis as a Novel Mechanism of Anti-Breast-Cancer Strategy	\$50,000



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	Last Name	First Name			
BC99558 2	Cunningham	Kathleen	ABT Associates, Inc.	Evaluation of the Predictive Value of Environmental Pollutant Release Data in Assessing Breast Cancer Risk: Use of TRI Indicators and Cancer Registry Data	\$132,500
BC99500 9	Curiel	David	Alabama, University of, Birmingham	Secretary Anti-erbB-2 scFv Gene Therapy for Breast Cancer	\$71,750
BC99670 2	Das	Gokul	Texas Health Science Center, University of, San Antonio	A Novel Knock-out Animal Model to Analyze Transcriptional Signaling by p53 Tumor Suppressor Protein in Breast Cancer	\$72,250
BC99515 2	Davies	Julian	Toledo, University of	Contrast Agents for Breast Cancer Diagnosis by Magnetic Resonance Imaging: Targeting the Folate Receptor	\$71,000
BC99515 3	Davis	Peter	Pittsburgh, University of	Can We Predict Which Women Will Benefit from Tamoxifen Prophylaxis?	\$75,000
BC99614 2	De Camilli	Pietro	Yale University	Beta IV Spectrin in Normal and Cancer Breast Cells	\$81,750
BC99588 3	D'souza-Schorey	Crislyn	Notre Dame, University of	Role for Vesicle Transport in Acquisition of Invasive Potential	\$74,500
BC99559 7	Elston Lafata	Jennifer	Henry Ford Health System	Understanding Racial Disparities in Mammography Use among Breast Cancer Survivors	\$64,490
BC99631 4	Emelianov	Stanislav	Michigan, University of	Acousto-Mechanical Imaging for Breast Cancer Detection	\$75,543
BC99632 1	Flemington	Erik	Tulane University	Development of an EBV-Mammary Epithelial Cell Model for Addressing the Role of EBV in Breast Cancer	\$74,250
BC99589 7	Foulkes	William	McGill University	Is Breast Tissue from Women Who Carry Germ-line BRCA1 or BRCA2 Mutations Normal? An Immuno-histopathological Study	\$57,500
BC99684 8	Frackelton	A. Raymond	Roger Williams General Hospital	Is the 66-kDa Isoform of the Shc Adapter Protein a Tumor Suppressor for Growth-Factor Receptor-Dependent Breast Cancers?	\$85,000
BC99632 8	Frank-Stromborg	Marilyn	Northern Illinois University	La Clinica Day	\$72,000

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	Last Name	First Name			
BC995899	Frost	Andra	Alabama, University of, Birmingham	Differences in Gene Expression of Breast Carcinomas in Pre- and Post-Menopausal Women.	\$71,750
BC995284	Garg	Pushkal	Harvard University, Boston	Managed Care Penetration and the Use of Screening Mammography by Uninsured Women	\$86,000
BC996337	Giordano	Ricardo	M.D. Anderson Cancer Center, University of Texas	Targeting Bone Marrow in Vivo by a Novel Phage Display Technique	\$75,000
BC995608	Godwin	Andrew	Fox Chase Cancer Center	Identification of Candidate Breast Cancer Susceptibility Genes Using a cDNA Microarray/CGH Approach.	\$86,375
BC995609	Godwin	Andrew	Fox Chase Cancer Center	Gamma Synuclein Promotes a Metastatic Phenotype in Breast and Ovarian Tumor Cells by Modulating the Rho Signal Transduction Pathway	\$86,375
BC996566	Gold	Daniel	Sidney Kimmel Cancer Center	Transfer of T Cell Specificity for the Treatment of Breast Cancer: A Preclinical Study	\$95,950
BC996343	Goth-Goldstein	Regine	Lawrence Berkeley National Laboratory	Oxidative Damage, CYP1B1 and Breast Cancer	\$86,105
BC996344	Grant	Stephen	Pittsburgh, University of	Increased Illegitimate V(D)J Recombination as a Possible Marker for Breast Cancer Predisposition	\$56,898
BC996349	Gray	Joe	California, University of, San Francisco	Development of Techniques for Identification of Genomic Events Associated with Drug Response or Genetic Predisposition of Cancer	\$73,750
BC996350	Greenberg	Charles	Duke University Medical Center	Matrix Stabilization Inhibits Tumor Growth	\$77,000
BC996353	Griffith	Jeffrey	New Mexico, University of	Prognostic Value of Telomere DNA Content in Invasive Breast Cancer	\$73,500
BC996359	Haddad	Bassem	Georgetown University	Detection of Mitochondrial DNA Mutations in Mammary Epithelial Cells in Nipple Aspirate Fluid	\$77,600
BC996071	Haines	Carol	Saskatchewan Breast Cancer Study	A Research Resource for Self-Report of Use of Nutritional Supplements	\$52,500

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	Last Name	First Name			
BC996756	Haines III	George	Northwestern University Medical School	Inhibition of PKR Activity is Required for Survival of Breast Cancer Cells	\$73,500
BC996364	Hatakeyama	Kazuyuki	Pittsburgh, University of	Regulation of Nitric Oxide Synthesis in Human NK Cells	\$75,000
BC996845	Hay	John	New York University School of Medicine	Adenoviral Vectors Incorporating Multiple Targeting and Efficacy Strategies to Eliminate Breast Cancer Metastases	\$82,500
BC996705	Heckman	Carol	Bowling Green State University	Microtubule-Inhibiting Compounds to Test a Mechanism of Antipromotion	\$68,100
BC995929	Holden	Debra	North Carolina State University	Increasing Follow-up Rates among African American Women with Abnormal Mammography Results	\$73,500
BC995619	Holt	Shawn	Virginia Commonwealth University	Functional Characterization of Primary Mammary Cells with Life Span Extension Using Ectopic Telomerase Expression	\$72,500
BC995937	Huang	Xi	New York University School of Medicine	Bio-available Iron in Breast Cancer of Older Women	\$82,500
BC995247	Hui	Sek-Wen	Health Research Inc., Roswell Park Division, New York State Department of Health	Delivering DNA Vaccines by Transdermal Electroporation	\$85,525
BC995943	Hylton	Nola	California, University of, San Francisco	Case Library for Standardization and Testing of a Breast MRI Lexicon	\$73,750
BC996879	Jankun	Jerzy	Ohio, Medical College of	Recombinant Plasminogen Activator Inhibitor in Anti-Cancer Therapy	\$73,500
BC996381	Jefferies	Wilfred	British Columbia, University of	Novel Immunotherapy for Malignant Breast Carcinomas	\$50,000
BC995950	Johnson	Jeffrey	David Sarnoff Research Center	Vision-Model-Based Image Enhancement for Digital Mammography	\$155,020
BC995951	Jones	Carleton	Ohio State University	Alteration of the Endothelial Barrier by Breast Cancer Cells as a Mechanism of Tumor Resistance	\$73,500

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	Last Name	First Name			
BC996388	Jones	Gwenith	Virginia, University of	Identification of Novel Drug Targets for Breast Cancer by Designing a Computer Simulation Program to Analyze the Kinetic Process of PIP2 Hydrolysis by PLCgamma1	\$74,000
BC996392	Kallergi	Maria	South Florida, University of	Three-Dimensional Representation of the Breast with Digital Mammography	\$72,500
BC996396	Keyomarsi	Khandan	M.D. Anderson Cancer Center, University of Texas	Protection of Normal Cells against Toxic Effects of Chemotherapy by Reversible G1 Arrest	\$75,000
BC996711	Kim	Helen	Alabama, University of, Birmingham	Grape Polyphenols and Breast Cancer Protection	\$72,000
BC995026	Kinch	Michael	Purdue University	Regulation of the Epha2 Tyrosine Phosphorylation by the Human Cytoplasmic Protein Tyrosine Phosphatase	\$74,103
BC995962	King	Stephen	Wake Forest University	Fructose-Derived N-Hydroxyureas as Novel Therapeutic Agents for Breast Cancer	\$66,500
BC996405	Kolonin	Mikhail	M.D. Anderson Cancer Center, University of Texas	A Novel Approach for Early Prevention of Breast Cancer with Synthetic Probes Specific for Tumor Vasculature	\$75,000
BC996412	Kruus	Linda	Pennsylvania, University of	Neuropsychological Sequelae of Tamoxifen Use in Adjuvant Therapy for Breast Cancer	\$79,250
BC996414	Kumaravel	Tirukalikundram	University Health Network, Toronto	Development of COMET-FISH Method for Rapid Identification of Persons at Risk for Breast Cancer Development	\$65,000
BC995286	Lacko	Andras	North Texas Health Science Center, University of, Fort Worth	High Density Lipoprotein Complex as Delivery Vehicles for Improved Cancer Chemotherapy	\$67,700
BC995976	Lavigne	Jill	North Carolina, University of, Chapel Hill	Chemo-Brain, Work Productivity and Career Success: A Pilot Study	\$72,750
BC995031	Lee	Jiing-Dwan	Scripps Research Institute	The Role of Rho GTPase and Trio in ErbB Receptor-Mediated Cellular Response	\$88,650

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	Last Name	First Name			
BC996806	Leung	Jessica Wai Ting	Brigham and Women's Hospital	Can Radiography Be Used to Exclude Negative Margins in Breast Cancer Specimens	\$84,750
BC996437	Lim	Carol	Utah, University of	Agonist-Occupied PRA Represses PRB via Interactions with Coactivators or Corepressors	\$75,000
BC996673	Lisovsky	Mikhail	Beth Israel Deaconess Medical Center, Boston	A Metastasis Trap for Breast Cancer	\$85,000
BC995997	List	Heinz-Joachim	Georgetown University	Identification of Target Genes of the Steroid Hormone Receptor Co-activator AIB1 (Amplified in Breast Cancer 1)	\$78,000
BC996440	Liu	Hong	Oklahoma, University of	Time-Resolved X-ray Mammography	\$73,000
BC995307	Liu	Yong-Yu	John Wayne Cancer Institute	Antisense Oligonucleotides to Glucosylceramide Synthase Can Reverse Multidrug Resistance in Breast Cancer	\$94,400
BC995311	Lord	Edith	Rochester, University of	PSA as an Endogenous Anti-Angiogenic Factor in Breast Cancer	\$79,750
BC996441	Lubahn	Dennis	Missouri, University of, Columbia	Using the Lactoferrin Promoter to Identify a Novel "Estrogen Receptor"	\$72,500
BC996442	Lum	Lawrence	Roger Williams General Hospital	Anti-CD3 x Anti-HER2 Bispecific Targeting of Breast Cancer with Armed T Cells to Induce Immunization to Breast Cancer Antigens	\$87,500
BC995666	Lupu	Ruth	Lawrence Berkeley National Laboratory	Characterization of Chemopreventive and Chemotherapeutical Activities and Compounds(s) from an Amazonian Plant	\$82,725
BC996717	Lutz	Norbert	Arizona, University of, Tucson	Activated Sugars as Markers of the Metastatic Potential of Breast Cancer Cells	\$70,000
BC996280	MacDonald	Ian	Western Ontario, University of	Lymphatic Metastasis of Breast Cancer Cells: Development of in Vivo Video Microscopy to Study Mechanisms of Lymphatic Spread	\$61,300
BC996006	Maffini	Maricel	Tufts University	Breast Carcinogenesis: Stroma-Epithelium Interactions	\$79,250

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	Last Name	First Name			
BC996683	Maher	John	King's College	M-CSF-Responsive T Cells: Potential Role in Immunotherapy of Breast Carcinoma	\$75,000
BC996010	Maidment	Andrew	Jefferson Medical College	Quantification of the Benefits of Pendent Mammography	\$79,500
BC996449	Manni	Andrea	Pennsylvania State University, Milton S. Hershey Medical Center	Relative Contribution of Ornithine Decarboxylase (ODC) Versus S-Adenosylmethionine Decarboxylase (SAMDC) to Human Breast Cancer Progression and Development	\$76,950
BC996455	Matthews	Charles	South Carolina, University of	The Effect of a Home-Based Walking Intervention on Quality of Life, Body Composition, and Estrogen Metabolism in Postmenopausal Breast Cancer Survivors	\$72,250
BC996884	Mehta	Kapil	M.D. Anderson Cancer Center, University of Texas	Significance of Transglutaminase Expression in Multidrug Resistant Breast Tumor Cells	\$75,000
BC996470	Mitas	Michael	South Carolina, Medical University of	Real-Time PCR Analysis of Peripheral Blood: A Non-Invasive Technology That Can Be Used to Assess Tumor Burden in Breast Cancer Patients	\$71,500
BC996964	Monteiro	Alvaro	Strang Cancer Prevention Center	Restoring BRCA1 Function with Antibiotics	\$93,935
BC996476	Mulder	Kathleen	Pennsylvania State University, Milton S. Hershey Medical Center	Mechanism of Ras Activation by TGFB	\$76,950
BC996477	Murdoch	Fern	Wisconsin, University of, Madison	The Role of AIB1 in Estrogen-Dependent Breast Tumor Cell Growth	\$72,000
BC996061	Nagle	Dale	Mississippi, University of	Discovery of New Drugs That Target Hypoxic Breast Tumor Cells	\$72,000
BC996481	Newschaffer	Craig	Johns Hopkins University, East Baltimore Campus	Premenopausal Levels of Circulating Insulin-Like Growth Factor I and the Risk of Postmenopausal Breast Cancer: A Population-Based, Nested Case-Control Study	\$82,000

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	Last Name	First Name			
BC996484	Nilsen-Hamilton	Marit	Iowa State University	Control of Breast Cancer by Protein-Mediated Removal of Inflammatory Mediators	\$72,250
BC996485	Nishimoto	Satoru	Tennessee, University of, Memphis	Promotion of Breast Cancer Growth within Bone by the C-Terminal Hexapeptide Enzymatically Derived from Osteocalcin, a Bone Matrix Protein.	\$71,000
BC996916	Njar	Vincent	Maryland, University of, Baltimore	Novel Inhibitors of Retinoic Acid Metabolism Enzyme(s): Potential Agents for Breast Cancer Chemoprevention and Therapy	\$74,250
BC996067	Nolte	Loren	Duke University	Signal Detection Theory Based Information Processing for the Detection of Breast Cancer at Microwave Frequencies	\$77,000
BC996069	Nordeen	Steven	Colorado Health Sciences Center, University of	Exploiting Polytene Chromosomes to Identify Transcription Cofactors and Complexes Recruited to an Estrogen Responsive Promoter in Vivo	\$75,500
BC996488	Nunez	Gabriel	Michigan, University of	Role of the APAF-1/CASPASE-9 Pathway in Breast Cancer Development	\$75,500
BC995771	O'Connell	Peter	Baylor College of Medicine	Can Gene Expression Pattern Analysis Predict Recurrence in Node-Negative Breast Cancer?	\$75,250
BC996473	Okunieff	Paul	Rochester, University of	Fibrosis of the Breast Skin after Irradiation Is Reversible and Preventable by Exogenous Decorin	\$79,750
BC995363	O'Malley	Bert	Baylor College of Medicine	Relationship of SRC-3 (AIB1) Levels to Steroid Promotion of Breast Cancer	\$113,154
BC995695	Pagano	Michele	New York University School of Medicine	Deregulation of the Ubiquitin Ligase Subunit Skp2 in Breast Cancer.	\$82,500
BC996499	Palmer	Steven	Pennsylvania, University of	Assisting Survivors in Meeting Challenges at End of Treatment: A Problem-Solving Approach	\$79,250
BC995696	Pan	Xiaochuan	Chicago, University of	Breast Cancer Detection and Management Using 3D Quantitative Ultrasonic Diffraction Tomography	\$75,500

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BC996077	Panchalingam	Sandra	Maryland, University of, Baltimore	Dopamine-Estrogen Receptor Interactions in Breast Cancer Cell Growth	\$74,250
BC995378	Pentecost	Brian	Health Research Inc., Rensselaer, New York State Department of Health	Antibody Probes to Transcript-Specific Peptides Provide a Novel Tool to Investigate the Role of Alternate Estrogen Receptor Promoter Use in Breast Cancer	\$74,801
BC995380	Pento	Joseph	Oklahoma, University of	The Role of KGF in Breast Cancer Metastasis	\$72,750
BC996805	Perman	William	St. Louis University	Non-Invasive Tissue Biopsy Using Volume Selective Swept Frequency Acoustic Interferometry (SFAI)	\$62,000
BC995383	Peterson	Blake	Pennsylvania State University	Design, Synthesis, and Evaluation of Estrogen Sulfotransferase Inhibitors: Potential Enhancers of Tamoxifen-Mediated Apoptosis in ER Negative Breast Cancers	\$70,700
BC996080	Petty	Elizabeth	Michigan, University of	Identification of Novel Mitotic Checkpoint Genes in Breast Cancer	\$75,543
BC996508	Piedrafita	Francisco	Sidney Kimmel Cancer Center	Selective Retinoids That Inhibit IKK as Chemotherapeutic Agents against Estrogen-Independent Breast Cancer Cells	\$95,950
BC996510	Pierce	Penny	Michigan, University of	Defining Decision Support for Women with Recurrent Breast Cancer	\$75,500
BC995699	Plewes	Donald	Sunnybrook and Women's College Health Science Centre	Constrained MRI Impedance Imaging	\$50,000
BC996518	Priebe	Waldemar	M.D. Anderson Cancer Center, University of Texas	Transcriptional Control of Breast Cancer: Molecular Lego and Combinatorial Libraries	\$75,000
BC996085	Pulakat	Lakshmi	Bowling Green State University	Exploration of the Regulation of Breast Cancer by the Angiotensin II Receptor AT2	\$68,100
BC996821	Qi	Hairong	Tennessee, University of, Knoxville	Detecting Breast Cancer from Thermal Infrared Images by Asymmetry Analysis	\$69,841
BC996520	Qin	Jun	Baylor College of Medicine	Regulation of BRCA1 by Phosphorylation	\$75,250
BC995399	Radice	Glenn	Pennsylvania, University of	Cellular Origin of Breast Tumors with Invasive Potential	\$79,250



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BC995705	Raftogianis	Rebecca	Fox Chase Cancer Center	UGT1A9 Genetic Polymorphisms and Raloxifene Pharmacogenetics	\$86,375
BC996525	Ramakrishnan	Viswanathan	Virginia Commonwealth University	Determining Effects of Genes, Environment and Gene by Environment Interaction That Are Common to Breast and Ovarian Cancers via Bivariate Logistic Regression	\$69,350
BC995402	Rao	Jian	California, University of, Los Angeles	Biomarker Analysis on Ductal Lavage Fluid as a Tool for Breast Cancer Early Detection	\$76,500
BC996947	Reich	Norbert	California, University of, Santa Barbara	An Epigenetic Approach to Breast Cancer Treatment	\$73,000
BC995408	Resau	James	Van Andel Research Institute	Molecular Based Imaging Determination of Breast Cancer Prognosis	\$50,000
BC996534	Resnick	Michael	National Institute of Environmental Health Sciences	Development of Yeast as an in Vivo Test Tube to Characterize a Broad Spectrum of p53 Mutations Associated with Breast Cancer	\$50,000
BC995409	Retsky	Michael	Electron Optics Development Corporation	Testing a Display Device Invention for Digital Mammography Workstations	\$65,790
BC996093	Reynolds	Wanda	Sidney Kimmel Cancer Center	Investigation into the Role of Myeloperoxidase in Breast Cancer	\$95,950
BC995412	Richardson	John	McGill University	Pilot Study to Measure the Effects of NSAID Use on Angiogenesis and Apoptosis in Female Invasive Breast Cancer	\$50,000
BC996535	Richer	Jennifer	Colorado Health Sciences Center, University of	Role of Progesterone Receptor Isoforms in Regulation of Cell Adhesion and Apoptosis	\$76,000
BC996753	Rogers	Buck	Alabama, University of, Birmingham	Induction of Human Somatostatin Receptor Subtype 2 on Breast Tumors with an Adenoviral Vector for Their Treatment and Detection with a Radiolabeled Peptide	\$71,750
BC996538	Rohr	Jurgen	South Carolina, Medical University of	Novel Artificial Natural Products against Breast Cancer through Combinatorial Biosynthesis	\$71,500
BC995710	Rosen	Eric	Duke University Medical Center	Positron Emission Mammography to Determine Local Extent and Distribution of Breast Cancer in Patients Contemplating Breast Conservation	\$77,000

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC996541	Rosenspire	Allen	Wayne State University	Use of ErbB-2 Mimotopes for Breast Cancer Immunotherapy	\$74,500
BC996411	Ross	David	Colorado Health Sciences Center, University of	A Biologically Based Rationale for Combination Chemotherapy of Novel Agents with Doxorubicin in Human Breast Cancer Cell Lines	\$75,500
BC995417	Royer	Robert	New Mexico, University of	Thioredoxin: Intracellular and Extracellular Target for Anticancer Drug Development	\$73,500
BC996480	Russo	Donna	Columbia University	Hatha Yoga and Breast Cancer: Integrating a Mind/Body Intervention during Adjuvant Chemotherapy	\$81,725
BC996734	Sacchi	Nicoletta	Johns Hopkins University, East Baltimore Campus	Evaluation of Protecting Effects of Bamboo Grass Leaves Extract on Mammary Tumorigenesis	\$82,000
BC996555	Sartor	Carolyn	North Carolina, University of, Chapel Hill	Role of the Epidermal Growth Factor Receptor Variant (EGFRVIII) in Radiation Response of Human Breast Cancer Cells	\$72,500
BC996108	Sartorius	Carol	Colorado Health Sciences Center, University of	Progesterone Receptor Isoform Influence on Human Breast Tumor Growth and Hormone Treatment	\$76,000
BC996109	Schaufele	Fred	California, University of, San Francisco	In Vivo Estradiol, Tamoxifen, and Raloxifene Modulation of Association/Dissociation Kinetics for Estrogen Receptor, Interacting Co-factors, and DNA Binding Sites	\$73,750
BC996905	Schild	David	Lawrence Berkeley National Laboratory	PIAS1 and PIAS3 Protein Interaction with HsRad51 and HsRad52 May Down-regulate Recombination Repair in Human Mammary Epithelial Cells	\$85,219
BC995047	Selvamurugan	Nagarajan	New Jersey, University of Medicine and Dentistry of, Robert Wood Johnson Medical School	Collagenases in Breast Cancer Cell-Induced Metastatic Tumor Growth and Progression	\$78,500
BC995433	Seol	Dai-Wu	Pittsburgh, University of	TRAIL-Based Anticancer Drug Development	\$74,837

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC996116	Serrero	Ginette	Maryland, University of, Baltimore	Identification of PC Cell Derived Growth Factor Antagonists That Inhibit Breast Cancer Tumorigenesis by Computer-Aided Rational Drug Design	\$74,250
BC996118	Serrero	Ginette	Maryland, University of, Baltimore	Novel Growth Factor as Prognostic Marker for Estrogen-Independence in Breast Cancer	\$74,250
BC996564	Shapiro	Charles	Ohio State University	The Effect of COX-2 Inhibitors on the Aromatase Gene (CYP19) Expression in Human Breast Cancers	\$73,500
BC996119	Shapiro	Paul	Maryland, University of, Baltimore	Mechanistic Basis for Use of Aldose Reductase Inhibitors to Treat Breast Cancer	\$74,250
BC996572	Sherr	David	Boston University, Boston Campus	The Aryl Hydrocarbon (Dioxin) Receptor/Transcription Factor and Cytochrome P450 1B1 as Targets for Breast Cancer Immunotherapy	\$81,500
BC995442	Shore	Roy	New York University School of Medicine	Breast Cancer Susceptibility and DNA Damage/Repair	\$82,500
BC996128	Shore	Scott	Temple University	Does C-Abl Play a Role in BcrA1 Protein Complex Regulation?	\$75,000
BC996928	Skobe	Mihaela	Massachusetts General Hospital	Significance of Lymphangiogenesis for Metastatic Spread of Breast Cancer	\$84,750
BC996582	Smith	Carolyn	Baylor College of Medicine	Inhibition of Estrogen Receptor Coactivator Expression by Antisense Oligodeoxynucleotides and Effect on Breast Cancer Cell Proliferation and Gene Expression	\$75,250
BC995732	Smith	Elizabeth	Fox Chase Cancer Center	DISABLED-2 Mediation of the Retinoic Acid Cell Growth Arrest Signal in Breast Cancer	\$85,834
BC996135	Smith	Jeffrey	Alabama, University of, Birmingham	Escape from Apoptosis by Degradation of Executioner Caspase by the Ubiquitin-Proteasome System in Breast Cancer	\$71,750
BC996137	Smith	Virginia	Lincoln University	Barriers to Early Detection of Breast Cancer among African American Females over Age 55	\$72,298
BC996586	Soo	Mary Scott	Duke University Medical Center	PET Imaging of Breast Cancer Using F-18 Labeled Choline Analogs	\$77,000

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC995456	Sorkin	Alexander	Colorado Health Sciences Center, University of	Pathogenesis of Breast Cancer: Role of Proteins Regulating Endocytosis of ErbB Receptors	\$75,500
BC995738	Stein	Stanley	New Jersey, University of Medicine and Dentistry of, Robert Wood Johnson Medical School	Autologous Tumor Vaccination	\$78,500
BC996594	Sugden	Bill	Wisconsin, University of, Madison	Assessing the Association of Epstein-Barr Virus with Breast Carcinoma	\$72,000
BC995466	Surmacz	Eva	Thomas Jefferson University	Leptin (Obesity Protein) and Breast Cancer Metastasis	\$79,500
BC996601	Swartz	Melody	Northwestern University	An Experimental Model for Lymphangiogenesis and Lymphatic Metastasis	\$73,500
BC996603	Szallasi	Zoltan	Henry M. Jackson Foundation	Generative Model Based Statistical Analysis of Gene Expression Patterns in Breast Cancer.	\$74,100
BC996741	Tengs	Tammy	California, University of, Irvine	Topographical Information Map of the Nation's Breast Cancer Research Portfolio	\$75,200
BC995481	Tenniswood	Martin	Notre Dame, University of	Assessment of the Tendency of Serms (Tamoxifen and Raloxifene) to Induce a Metastatic Phenotype in Breast Cancer in a Chemopreventive Setting	\$74,500
BC996823	Tourassi	Georgia	Duke University Medical Center	A Constraint Satisfaction Neural Network Approach for Data Mining Classification and Association Rules in Breast Cancer Databases	\$77,000
BC996176	Trepel	Martin	Freiburg, University of	Targeting Gene Therapy Vectors to Breast Cancer in Vivo	\$50,000
BC996183	Tyner	Angela	Illinois, University of, Chicago	A Small-Scale Proteomics Approach for Identifying Proteins Regulated by the Breast Tumor Kinase BRK Signal Transduction Pathway	\$77,650
BC996185	Vadlamudi	Ratna	M.D. Anderson Cancer Center, University of Texas	A Molecular Approach for Metastatic Progression of Breast Cancer	\$75,000

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC996906	Vigneswaran	Nadarajah	Texas, University of, Houston Health Science Center	Cystatin M Deficiency and Breast Cancer Metastasis	\$74,750
BC996203	Wang	He	Michigan State University	Effect of Ectopic Expression of Dominant Negative Rad51 Mutants on Brca1-Deficient Breast Cancer Cells	\$74,000
BC995501	Watson	Cheryl	Texas Medical Branch, University of, Galveston	Membrane Estrogen Receptors - Improving Predictions of Responsiveness of Breast Cancers to Anti-Estrogenic Therapies	\$74,500
BC995503	Webster	Gordon	Beth Israel Deaconess Medical Center, Boston	The Structural Basis for the Role of CHK as a Tumor Suppressor Protein in Human Breast Cancer	\$85,000
BC996632	Wei	Schuang	Baylor Research Institute	The Role of the Immune Cell Cytoskeleton in Breast Cancer Immunity: Particular Relationship between Actin and P38 MAP Kinase.	\$75,500
BC995511	Wolf	Dieter	Harvard University, Boston	High Throughput Screen for Small Molecule Inhibitors of p27 Degradation in Breast Cancer	\$80,900
BC996645	Xing	Lei	Stanford University	Combining Electron with Intensity Modulated Photon Beams for Breast Cancer	\$80,000
BC996646	Yang	Chin-Rang	Rochester, University of	Inhibition of DNA-Dependent Protein Kinase Activity for Breast Cancer Therapy	\$79,750
BC996764	Yang	Li-Xi	California Pacific Medical Center	Improved Therapy for Breast Cancer	\$77,850
BC996678	Yang	Xiaolu	Pennsylvania, University of	Role of Daxx in Apoptosis	\$79,250
BC996227	Yee	Lisa	Ohio State University	ELF3 Regulation of Tumor Progression and Metastasis in Human Breast Cancer	\$73,500
BC995523	Yeh	Shuyuan	Rochester, University of	From BRCA1 Tumor Suppressor to Androgen Receptor: A New Signal Pathway in Breast Cancer	\$79,750
BC996653	York	Robert	California, University of, Santa Barbara	Microwave Confocal Detection and Thermal Therapy for Breast Cancer: Adaptive Phased Array System for in Vivo Mapping/Targeting Telomerase Activity	\$73,000

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC996656	Yu	Qiang	Boston University, Boston Campus	Function of FasL Reverse Signaling in Survival and Growth of Breast Cancer Cells	\$81,500
BC996660	Zhang	Xiao-Kun	Burnham Institute	Immediate-Early Response Genes as Targets for Breast Cancer Treatment	\$97,500
BC995533	Zhu	Kangmin	Pennsylvania State University, Milton S. Hershey Medical Center	African-American Women with the CYP1A1 MspI and African-American-Specific Polymorphisms May Have Different Risk Factor Profile of Breast Cancer	\$76,950

***FY00 Breast Cancer Research Program***

***INFRASTRUCTURE AWARDS***

## FY00 Breast Cancer Research Program

### Collaborative-Clinical Translational Research Awards

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC004023	Brufsky	Adam	Pittsburgh, University of	The Pittsburgh Breast Cancer Consortium	\$1,781,376
BC004041	Glaspy	John	California, University of, Los Angeles	The UCLA-Community Breast Cancer Collaborative Clinical Translational Research Program (UCLA-CBCCCTRP)	\$1,831,502



## FY00 Breast Cancer Research Program

### Behavioral Center of Excellence Awards

Log Number	Principal Investigator		Institution	Proposal Title	Award Amount
	Last Name	First Name			
BC004062	Baum	Andrew	Pittsburgh, University of	Center for Biobehavioral Research in Breast Cancer	\$4,060,922
BC009027	Bovbjerg	Dana	Mount Sinai School of Medicine, New York	Genetic Factors in Breast Cancer: Center for Interdisciplinary Biobehavioral Research	\$6,566,644
BC004061	Miller	Suzanne	Fox Chase Cancer Center	Tailored Communication to Enhance Adaptation across the Breast Cancer Spectrum	\$6,500,760
BC004060	Naughton	Michelle	Wake Forest University School of Medicine	Quality of Life and Functional Status across the Life Course	\$5,539,270

***FY00 Breast Cancer Research Program  
Participants***

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Blackman, Robin		Y ME Breast Cancer Network of Arizona
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<b>Peer Reviewer</b>	<b>Degree</b>	<b>Affiliation</b>
Bridwell, Robert	M.D.	Department of Nuclear Medicine, Walter Reed Army Center
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Coker, Jessie		Familial Breast Ovarian Cancer Research Project
Cole, Carol Ann		Canadian Breast Cancer Research Initiative
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<b>Peer Reviewer</b>	<b>Degree</b>	<b>Affiliation</b>
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Deuel, Thomas F.	M.D.	Beth Israel Hospital, Harvard Medical School
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<b>Peer Reviewer</b>	<b>Degree</b>	<b>Affiliation</b>
Dunn, Sandra E.	Ph.D.	Department of Anatomy, Physiology, and Radiology, University College of Veterinary Medicine
Duronio, Robert J.	Ph.D.	Department of Biology, University of North Carolina at Chapel Hill
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Fahey, Frederic H.	D.Sc.	Pet Center, Wake Forest University School of Medicine
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Finestone, Sandra		YWCA ENCORE plus
Fonshill, Pamela Leavitt		Idaho Breast Cancer Coalition
Forhan, Kate L.		Florida Breast Cancer Coalition
Foster, David A.	Ph.D.	Department of Biological Sciences, Hunter College, City University of New York
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Friend, Helen S.		Cancer Services of Grant Riverside Methodist Hospitals
Fuchs-Young, Robin S.L.	Ph.D.	Department of Carcinogenesis, University of Texas M.D. Anderson Cancer Center
Fuqua, Suzanne A.W.	Ph.D.	Breast Center, Baylor College of Medicine
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Gaido, Kevin	Ph.D.	CIIT Centers for Health Research



<b>Peer Reviewer</b>	<b>Degree</b>	<b>Affiliation</b>
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Gallick, Gary E.	Ph.D.	Cancer Biology, University of Texas M.D. Anderson Cancer Center
Ganapathi, Ram	Ph.D.	Taussig Cancer Center
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Gelman, Rebecca	Ph.D.	Biostatistics Department, Dana-Farber Cancer Institute
George, Matthew, Jr.	Ph.D.	Department of Biochemistry, Howard University College of Medicine
Gerlach, James H.	Ph.D.	Cancer Research Laboratories, Queens University
Gewirtz, David A.	Ph.D.	Department of Medicine, Medical College of Virginia
Ghazal, Peter	Ph.D.	Department of Immunology, The Scripps Research Institute
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Gobel, Stephen	D.D.S.	Executive Secretary
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Gopalkrishnan, Rahul V.	Ph.D.	Department of Urology, Columbia University, College of Physicians and Surgeons
Graff, Jeremy R.	D.V.M., Ph.D.	Cancer Division, Eli Lilly and Company
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Wenzel, Lari B.	Ph.D.	Epidemiology Division, Department of Medicine, University of California at Irvine
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Westerlind, Kim C.	Ph.D.	AMC Cancer Research Center
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Wood, F. Edward	Ph.D.	Sullivan and Associates
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Worstell, William A.	Ph.D.	Department of Physics, Photodetection Systems
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Xiao, Zhi-Xiong	Ph.D.	Department of Biochemistry, Boston University School of Medicine
Xu, Xiangxi Mike	Ph.D.	Medical Science Division, Fox Chase Cancer Center
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Yang, Yu-Chung	Ph.D.	Department of Pharmacology, Case Western Reserve University
Yee, Douglas	M.D.	University of Minnesota Cancer Center
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Yoneda, Toshiyuki		Division of Endocrinology, University of Texas Health Science Center
Yu, Cedric X.	D.Sc.	Department of Radiation Oncology, University of Maryland School of Medicine
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Zajac, Sally J.		Tri-Starr Services
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Zebovitz, Eugene	Ph.D.	Executive Secretary
Zimmer, Stephen G.	Ph.D.	Microbiology and Immunology, University of Kentucky Medical Center
Zubairi, Yameen	Ph.D.	Transknowledge International

## FY00 Breast Cancer Research Program Integration Panel (IP) Members

IP Member	Degree	Institution/Affiliation
Acosta, Daniel, Jr.	Ph.D.	University of Cincinnati College of Pharmacy
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Boone, John M.	Ph.D.	University of California, Davis
Burish, Thomas G. (Executive Committee Member)	Ph.D.	Vanderbilt University
Hinestrosa, M. Carolina	M.A.	<i>Nueva Vida</i>
Hortobagyi, Gabriel N.	M.D.	University of Texas M.D. Anderson Cancer Center
Kushi, Lawrence H.	Sc.D.	Columbia University
Matrisian, Lynn M. (Executive Committee Member)	Ph.D.	Vanderbilt University School of Medicine
Pierce, Lori J.	M.D.	University of Michigan School of Medicine
Rauscher, Frank J., III	Ph.D.	Wistar Institute
Rosso, Rosemary	J.D.	Greater Baltimore/Washington Breast Cancer Advocacy Group
Rowinsky, Eric K.	M.D.	University of Texas Health Science Center, San Antonio
Seidman, Andrew D.	M.D.	Memorial Sloan-Kettering Cancer Center
Slamon, Dennis (Chair-Elect)	M.D., Ph.D.	University of California, Los Angeles School of Medicine
Sledge, George W., Jr.	M.D.	Indiana University School of Medicine
Steeg, Patricia S.	Ph.D.	National Cancer Institute
Thomas, David B.	M.D., Dr.P.H.	Fred Hutchinson Cancer Research Center
Urban, Nicole	Sc.D.	Fred Hutchinson Cancer Research Center
Visco, Frances M. (Chair)	J.D.	National Breast Cancer Coalition

## FY00 Breast Cancer Research Program Ad Hoc Programmatic Reviewers

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Bernstein, Leslie	Ph.D.	Keck School of Medicine, University of Southern California
Branch, Vernal		Women's Cancer Task Force
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Disis, Mary Lenora	M.D.	University of Washington
Doi, Kunio	Ph.D.	University of Chicago
Elliot, Mary		Susan G. Koman Breast Cancer Foundation
Fuchs, Henry J.	M.D.	IntraBiotics Pharmaceuticals, Inc.
Garcia, Ana T.	M.D., F.A.A.P.	Big Island Breast Cancer Coalition
Given, Barbara A.	Ph.D.	Michigan State University
Hait, William N.	M.D., Ph.D.	The Cancer Institute of New Jersey
Kolonel, Laurence N.	M.D., Ph.D.	University of Hawaii
Lyerly, Herbert Kim	M.D.	Duke University Medical Center
Lythcott, Ngina	Dr.P.H.	Columbia University
Matyka, Carol A.	M.A.	Regina Villa Associates
Medina, Daniel	Ph.D.	Baylor College of Medicine
Muschel, Ruth	M.D., Ph.D.	University of Pennsylvania School of Medicine
Press, Michael F.	M.D., Ph.D.	University of Southern California, Norris Cancer Center
Recht, Abram	M.D.	Beth Israel Deaconess Medical Center
Redd, William H.	Ph.D.	Mt. Sinai – New York University Medical Center
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Weinberg, Robert	Ph.D.	Whitehead Institute of Biomedical Research
Yaker, Alice	J.D.	Connections Health Consulting and SHARE
Zeitz, Kathy	J.D.	Methodist Health System

***GLOSSARY OF TERMS***

## Glossary of Terms

***Behavioral Center of Excellence Award:*** The intent of Behavioral Center of Excellence Awards is to invigorate the behavioral research community by engaging experts from multiple disciplines to establish centers of excellence that will advance investigations in behavioral breast cancer research. An overall goal of these awards is to establish multidisciplinary centers that will foster an environment conducive to groundbreaking research at the frontier of behavioral science. An additional objective of the award is to provide outstanding training opportunities for future leaders in the fields of behavioral and breast cancer research.

***Career Development Award:*** Career Development Awards are designed to encourage (1) scientists or physicians who have postdoctoral training, but are not yet established investigators, to pursue a breast cancer-related research career, as well as (2) established scientists or research physicians who are currently working in areas other than breast cancer to shift their focus to breast cancer research. For the purpose of this program, a Career Development Award is intended for an individual who has his/her own, independent program of research; is within 6 years of postdoctoral, residency, fellowship, or equivalent training; and holds a position as an Assistant Professor or equivalent.

***Clinical Bridge Award:*** The intent of this award is to sponsor novel research that can ultimately lead to a clinical trial and new translational paradigms for the prevention, detection, diagnosis, and/or treatment of breast cancer. Clinical Bridge Awards are intended to support critical, hypothesis-driven research projects that will have clinical applications during or shortly after the completion of the funding period. Preliminary data are required to support the rationale for the proposed studies.

***Clinical Translational Research Award:*** The intent of Clinical Translational Research (CTR) Awards is to extend recent findings in breast cancer research that offer the potential to revolutionize the practice of breast cancer care. CTR Awards support projects that are likely to have a major impact on the chemoprevention or therapy of breast cancer by applying promising and well-founded laboratory or other preclinical research findings to the care of patients with, or populations at risk for, breast cancer.

***Clinical Translational Research Fellowship Award:*** The intent of the CTR Fellowship Awards is to train clinically oriented physicians and clinical investigators to serve as a dynamic bridge between the laboratory and the clinic. An overall goal of CTR Fellowship Awards is to encourage interested physicians to undertake clinical translational research in breast cancer. The research focus of CTR Fellowship Awards is clinical translational research that is directly relevant to the prevention, detection, diagnosis, or treatment of breast cancer. CTR Fellowship Awards are intended to enable recent medical degree graduates to obtain the necessary experience to pursue a career in clinical translational breast cancer research.

***Collaborative-Clinical Translational Research Award:*** The goals of this award mechanism are to (1) support the infrastructure costs (personnel) required to develop new consortium models that include academic centers, community-based oncology practices, and the private sector for the express purpose of performing clinical trials; and (2) test new agents or technologies to accelerate the eradication of breast cancer. Through new consortium models, Collaborative-Clinical Translational Research Awards are intended to enhance patient participation and facilitate the performance of well-designed clinical trials to evaluate promising drugs and technologies for the early detection, treatment, and prevention of breast cancer.

***Concept Awards:*** The intent of these awards is to fund an initial concept or theory that could give rise to a testable hypothesis. These awards encourage the exploration of untested, innovative questions in breast cancer and provide funding for 1 year.

***Historically Black Colleges and Universities/Minority Institutions (HBCU/MI) Focused Training Awards:*** These awards are intended to enable investigators at HBCU/MI to collaborate, train, and acquire the knowledge and experience needed to prepare and submit high-quality proposals for breast cancer research. Major goals of this award are to attract new investigators to this research area and to establish collaboration between applicant investigators and established investigators in breast cancer research.

***Historically Black Colleges and Universities/Minority Institutions Partnership Training Awards:*** These awards are intended to provide assistance at an institutional level. A major goal of this award is to support collaborations between an applicant HBCU/MI and a collaborating institution with established investigators in breast cancer research for the purpose of developing a training program to increase the number of HBCU/MI investigators focused on breast cancer research. A long-term goal is to assist HBCU/MI investigators in submitting competitive breast cancer research proposals.

***Idea Awards:*** The intent of Idea Awards is to encourage innovative approaches to breast cancer research. These proposals may represent a new paradigm in the study of breast cancer, challenge existing paradigms, or look at an existing problem from a new perspective. The proposed studies may be untested, but should have a high probability of revealing new avenues of investigation. Idea Awards do not require preliminary or pilot data, but should be based on a sound scientific rationale established through a critical review and analysis of the literature and/or logical reasoning.

***Postdoctoral Traineeship Awards:*** The intent of Postdoctoral Traineeship Awards is to enable recent doctoral or medical degree graduates with limited postdoctoral experience (i.e., less than 5 years) to either extend ongoing research related to breast cancer or broaden the scope of their research to include work relevant to breast cancer under the guidance of a designated mentor. Eligible applicants should have been in the laboratory in which this research is to be performed no more than 2 years at the time of submission. The research focus of Postdoctoral Traineeships should address an issue relevant to breast cancer biology, prevention, detection, diagnosis, and/or therapy. The overall goal of Postdoctoral Traineeship Awards is to prepare individuals for a career in breast cancer research.

***Predoctoral Traineeship Awards:*** The intent of Predoctoral Traineeship Awards is to support promising graduate students studying breast cancer under the guidance of a designated mentor. The overall goal of Predoctoral Traineeship Awards is to prepare individuals for careers in breast cancer research. The award is targeted to individuals enrolled in an M.D. or Ph.D. program.

***Undergraduate Summer Training Program Award:*** The intent of this new award is to establish summer breast cancer training programs that will provide meaningful research experiences for undergraduate students. Each program will support internships lasting 8-12 weeks for 2-8 students. A goal of the Undergraduate Summer Training Program Award is to attract talented students to careers that focus on breast cancer research by providing educational and training opportunities at an important career decision-making point.