

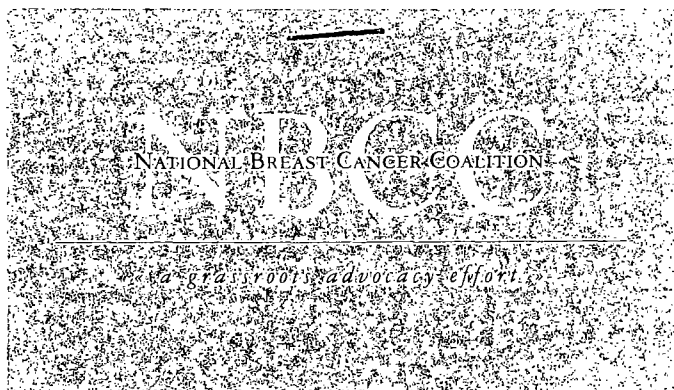
NBCC

NATIONAL BREAST CANCER COALITION

« a grassroots advocacy effort »

1707 L Street, NW, Suite 1060
Washington, DC 20036

PHOTOCOPY
PRESERVATION



FRANCES M. VISCO, ESQUIRE
President
NATIONAL BREAST CANCER COALITION

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Principal

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PHOTOCOPY
PRESERVATION

APPROPRIATIONS

DOD Breast Cancer Research -- \$150 million

NBCC POSITION: NBCC strongly supports \$150 million for the continuation of the Department of Defense peer reviewed breast cancer research program to continue the research that has been administered by the Department of the Army.

BACKGROUND: In FY '92 the Department of the Army was appropriated \$210 million and in FY '93, \$25 million, for peer-reviewed breast cancer research to be used in FY '93-'94. The Army hired the Institute of Medicine to recommend an investment strategy and peer review mechanism, which the Army then implemented. With strong bi-partisan support, in 1994, \$150 million was appropriated for the program and in 1995, \$75 million.

The program goals are to: focus on innovation and new ideas; encourage new investigators to enter the field; emphasize underrepresented areas of research; foster multidisciplinary approaches; and, enhance infrastructure.

FACTS:

- The 1996 Program features a change in emphasis from past years. Funds are designated for innovative scientific ventures that represent unattempted avenues of investigation, or novel applications of existing technologies. The categories for funding are:

IDEA awards, which are qualitatively different from traditional research projects. Goal is to stimulate and reward speculative but especially promising and creative ideas that may yield a high payoff. Proposals may not require pilot data, yet must demonstrate solid scientific judgment;

research with translational potential awards that will support larger interdisciplinary research projects and translate into advances in the field of breast cancer prevention, treatment and ultimately eradication; and,

training and recruitment awards for pre-and post-doctoral traineeships, career development awards and sabbaticals.

- DOD breast cancer research money is being well spent. Working with the Institute of Medicine, the Army devised an impressive and efficient program for administering peer reviewed breast cancer research. Over 90% of the funds went directly to research grants.

- DOD breast cancer research prompted **a total of over 5,000 new research proposals**, attracting new researchers and innovative ideas to the field of breast cancer research. There was not enough funding for all of the 2,570 meritorious proposals that were received, only 760 of the meritorious proposals received funding.
- The DOD breast cancer research program has fostered a "positive competition" with the National Cancer Institute challenging each institution to be innovative and tenacious about finding a cure for the breast cancer epidemic.
- DOD breast cancer research is essential as the number of women enrolled in the armed forces continues to grow, and for the women who are dependents of military personnel.
- DOD funding is at a critical stage. We must ensure that the program continues so that the new researchers get the message that we are serious about breast cancer so that they are encouraged to invest their time and experience in this important work.
- In a time of increasingly scarce resources, the DOD program does not direct research dollars away from other biomedical research, rather it provides a vehicle to bring new dollars to this issue.
- The DOD program directed funds to training and infrastructure, areas that need attention to enable the United States scientific community to adequately compete in the international arena.

11/4

Licke / OMB

James Rose

Franusco — NBCE

Breast Cancer Peer-Reviewed Research Program

Report language w/ \$ amounts —

Pleased at level of funding — DOD \$ authorized —

DOM recommended strategy to Army —

Bureaucracy at DOD not moving

— Col. Irene Rich

Ft. Detrick — MD —

Since DOD put in 94 mission package

~ Scientific funding —

— Multidisciplinary / diverse comit — Scientists
and consumers —

\$100 million — Intergroup Panel — gives up right to
submit proposals for funding

\$ 30 million — Steve Joseph, Klausner, Varmus —

Fran — Confirmation of DOD program —
highlighting success of DOD generic
research. — This was an

effort to fund. Program has seed 18-20%
to Fran.

DoD funds high risk - high reward projects -
Klausner/Vannoy - got mad about the description -
say they fund cutting edge stuff

November⁹⁷ - doing a meeting - planning jointly w/NHTT
on

— Steve Joseph —

Action Plan \$

- Goal was to look at issues not covered by others -
- Take strategy back and implement it - No
Standing offer. in FY95

Shalala got \$10 million for it (more than Fran wanted)

- Steering com. - Spent \$ funding proposals
dealing w/ six priorities -
- groups across the country came up w/projects -
\$3.4 million total -

But got \$14.7 million in '97 approps - want it
reprogrammed. -

14.7 million of NCI goes to Nat Action Plan on Breast Cancer
administered by office of Women's Health.

Report language - Sci's office -

NBCC

NBCC

Join the National Breast Cancer Coalition.

Add your voice! Thanks to our members and supporters, the National Breast Cancer Coalition has brought about fundamental change in the world of breast cancer. But we need you. Every additional Coalition supporter increases our clout in the halls of Congress and in the world of medical research. Every additional dollar enables us to train advocates, mobilize the National Action Network, bring grassroots lobbyists to Washington, and more. Your support brings us closer to understanding and ending this epidemic. Get involved. Join Us in the Fight Against Breast Cancer!

Here is my contribution of:

☐ \$20 ☐ \$25 ☐ \$35* ☐ \$50
☐ \$100 ☐ \$500 ☐ \$1000** ☐ Other _____

*a gift of this amount or more entitles you to annual membership in NBCC and to receive our quarterly newsletter "Call to Action."

**a gift of this amount or more entitles you to membership in our President's Council, with special benefits.

Name _____

Address _____

City _____ State _____ Zip _____

Phone (w) _____ (h) _____

Fax _____ E-mail _____

Please charge my gift to my: ☐ Visa ☐ Mastercard
☐ Discover

Account # _____ Exp. date _____

Signature _____

My gift is in honor/memory of: _____

☐ YES! I want to be actively involved in NBCC efforts to eradicate breast cancer!

Please make check payable to and mail to:
 THE NATIONAL BREAST CANCER COALITION
 1707 L Street, NW, Suite 1060
 Washington, D.C. 20036
 phone (202) 296-7477 fax (202) 265-6854
<http://www.natlbcc.org>

In order to keep NBCC free to lobby aggressively on your behalf, the first \$25 of your contribution is not tax-deductible.

NATIONAL BREAST CANCER COALITION

CALL TO ACTION

« A grassroots advocacy effort »



END THE BREAST CANCER EPIDEMIC

"My membership in NBCC gave me so much hope. It transformed me from a breast cancer victim to a breast cancer activist! I can't tell you what this has meant to me and my family."

THE MISSION of the National Breast Cancer Coalition is to help eradicate breast cancer by focusing the public, the scientific community, Congress and the Administration on the disease and by educating and activating women who have been diagnosed with breast cancer and all women and men concerned about the issue.

THE GOALS of the National Breast Cancer Coalition are:

Research: promote research into the cause, optimal treatments, and cure for breast cancer through increased funding; recruitment and training of scientists; and improved coordination and distribution of research funds.

Access: improve access to high-quality breast cancer screening, diagnosis, treatment, and care for all women — particularly the underserved and uninsured — through legislation and change in the regulation and delivery of health care.

Influence: increase the involvement and influence of those living with breast cancer in federal and state legislation, the regulatory process, and all aspects of clinical trial design, including access to clinical trials.

NBCC is tens of thousands of voices joined together as advocates to eradicate breast cancer. It is the voice of women with the disease and the women, men and organizations dedicated to finding the cause and cure for breast cancer.

PAT BARR
Breast Cancer Network

MARGARET BORWHAT
Virginia Breast Cancer Foundation

CHRISTINE BRUNSWICK
Greater Washington-Baltimore Advocacy Group

LOIS CAREY
Adelphi New York Statewide Breast Cancer Hotline & Support Program

MARY CHUNG
National Asian Women's Health Organization

ARYNE DRAPER
CABCO

DALE EASTMAN
Alamo Breast Cancer Foundation & Coalition

RUTH ELDREDGE
Georgia Breast Cancer Coalition

JUDY GARNER
Hadassah

KAREN PLESH GILEWSKI
Breast Cancer Network of Western NY

JOANIE GOTTLIEB
Arm-in-Arm

BETTYE L. GREEN
African-American Women In Touch

ROBERTA HANTGAN
National Education Association

JEAN HUNT
Linda Creed Breast Cancer Foundation

BETSY LAMBERT SHARE

AMY S. LANGER
NABCO

LINDA H. LINVILLE
Kentucky Cancer Program

SUSAN LOVE
Revlon/UCLA Breast Center

MARLENE MCCARTHY
Rhode Island Breast Cancer Coalition

NANCY MEYER
Lesbian Services Program of Whitman-Walker Clinic

CINDY PEARSON
National Women's Health Network

JAN PLATNER
Massachusetts Breast Cancer Coalition

JEAN POWERS
Women's Community Cancer Project

MARY LOU SMITH
Y-Me National Breast Cancer Coalition

FRAN VISCO
President, Director, National Breast Cancer Coalition

KERRIE B. WILSON
American Cancer Society

NATIONAL BREAST CANCER COALITION
1707 L Street, NW Suite 1060
Washington, DC 20036
phone (202) 296-7477
fax (202) 265-6854
<http://www.natlbcc.org>

Today, 2.6 million women in this country are living with breast cancer. Each one has a face and a name. Each one has a story that includes others — children, lovers, parents, friends. This year, more than 184,000 women will be diagnosed with breast cancer and more than 44,000 will die. These numbers are staggering. And still, we don't know how to prevent breast cancer. We don't know how to cure it. We don't even yet know the best way to detect it.

In 1991, a small group of women confronted this growing national tragedy and decided to change the country's mind-set about breast cancer. They refused to accept the chronic under-funding of breast cancer research. And they refused to be defeated by the conspiracy of silence and indifference surrounding a disease that has become the leading killer of women aged 35-44 and the major cause of cancer death for African American women.

With vision and determination, these women formed the National Breast Cancer Coalition (NBCC), an organization with a unique focus: action and advocacy to end breast cancer.

"The National Breast Cancer Coalition (has) transformed breast cancer from a closely guarded secret — an issue once considered unfit for polite conversation — and brought the issue to the front pages of our newspapers, to the front steps of American households, and to the front burner of the national agenda."

Donna Shalala, Secretary of Health and Human Services

Breast cancer IS a political issue. Let's make certain that public officials, candidates for office, the public and the media focus on breast cancer. And KEEP the pressure on. Join NBCC's Political Campaign:

Campaign 2.6 2.6 Million Signatures — Power In Numbers!

Across the nation, NBCC advocates will gather 2.6 million signatures (one for every woman in the U.S. currently living with breast cancer) on petitions demanding 2.6 billion federal research dollars by the year 2000 to find the cause and cure for breast cancer.

A March on Washington!

Campaign 2.6 will culminate with a march in May, 1997 in Washington D.C. when NBCC supporters will present the petitions to the President and Congress. Join NBCC and be a partner in making history!

Breast Cancer Policy Platform!

Every political party, candidate and officeholder at all levels of government will be asked to endorse NBCC's ten plank policy platform. During the coming months and years we will hold them to that commitment!

Vote Breast Cancer!

We can only win the war against breast cancer if the men and women who sit in the White House, Congress, and the state legislatures fight for our goals. NBCC has mounted a massive drive to register voters and get their pledge to vote breast cancer.

Add your name to NBCC's signature petition by calling 1-800-NBCC-838

NBCC — Challenging Indifference, Changing the Rules, Shaping the Future!

NBCC gives its members the tools they need to make a real difference. We train, educate and activate supporters, legislators and the public, leading to change in public policy.

Grassroots Network: Fifty State Coordinators lead a nationwide network of activists who spring into action when needed. Armed with training and information, this network floods Capitol Hill with messages to Members of Congress on legislation important to NBCC, wages media campaigns, and builds relationships with legislators, scientists and industry. It is a powerful voice on behalf of breast cancer advocates and survivors everywhere.

Annual Advocacy Training Conferences: From workshops on "How to Lobby" and "The Structure of the National Cancer Institute" to "Clinical Trials" and "Media Activism", NBCC trains hundreds of women and men each year to be informed, skilled breast cancer advocates.

Project LEAD: Recognizing that breast cancer activists must have a seat at the table, NBCC launched this unique course to train its members in the science of breast cancer so they can influence research as educated advocates.

Congressional Forum Series: Educating legislators on specific issues, NBCC presents experts to explain the science and consumer needs that drive the need for policy.

The Face of Breast Cancer Exhibition: Art becomes activism as this dramatic photographic essay of women who have died of the disease travels across the country, challenging audiences nationwide to grasp the real cost of breast cancer and to become activists.

NBCC recognizes the need for more research — and Acts!

NBCC's advocacy brought about an increase in federal funding for breast cancer research from \$90 million in 1991 to more than \$500 million today, including an unprecedented program in the Department of the Army supporting innovative breast cancer research.

NBCC believes the nation must become involved — and Demands It!

In response to our 1993 signature campaign, the President of the United States committed to a National Action Plan on Breast Cancer. Today, this public/private partnership identifies gaps in research and policy and recommends strategies.

NBCC questions "business as usual" — and Effects Change!

NBCC held the nation's first "think tank" on breast cancer research at the Aspen Institute in 1996, serving as a catalyst for visionary scientists, activists and business leaders to rethink and redesign approaches to breast cancer.

NBCC knows that access to care is vital — and Leads the Charge!

In NBCC, breast cancer activists have a powerful, effective network representing them on issues such as health care reform, Medicare coverage of breast cancer treatment, participation in clinical trials, and genetic discrimination.

United States Senate

WASHINGTON, DC 20510

June 14, 1996

The Honorable Ted Stevens
Chairman
Subcommittee on Defense
Committee on Appropriations
United States Senate
Washington, D.C. 20510

Dear Ted,

Breast cancer is still the most common form of cancer in women; every three minutes another woman is diagnosed and every 11 minutes another woman dies of breast cancer. We still do not know the cause or have a cure for this dreaded disease.

In the face of these harsh realities, you have shown great leadership by funding the Department of Defense peer-reviewed breast cancer research program. For fiscal year 1997, we write to you in support of a \$150 million appropriation for the Department of Defense to continue its mission against breast cancer.

Over the past two years, there have been incredible discoveries at a very rapid rate that offer fascinating insights into the biology of breast cancer, such as the isolation of breast cancer susceptibility genes, and discoveries about the basic mechanism of cancer cells. These discoveries have brought into sharp focus the areas of research that hold promise and will build on the knowledge and investment we have made.

These recent discoveries led to a renewed vision for the DOD peer-reviewed breast cancer research program, especially the Innovative Developmental and Exploratory Awards (IDEA) grants. These types of grants are funded only through the DOD peer-reviewed program.

The DOD peer-reviewed program not only provides, but it has become reknown for its innovative and efficient use of its resources. In fact, over 90 percent of the funds go directly to research grants. The program streamlined the entire research funding process, while retaining traditional quality assurance mechanisms.

The Honorable Ted Stevens

June 14, 1996

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We offer the strongest support to fund the DOD peer-reviewed breast cancer research program at \$150 million for fiscal year 1997.

Sincerely,

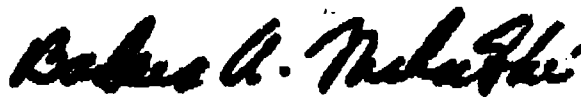

Alfonso D'Amato


Patrick Leahy

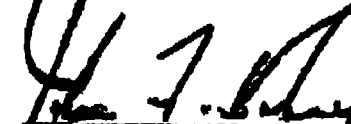

Olympia Snowe


Bill Bradley


Kay Bailey Hutchison

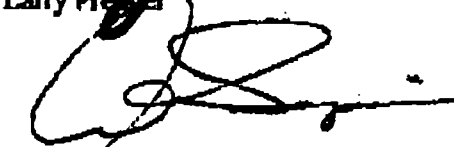

Barbara Mikulski

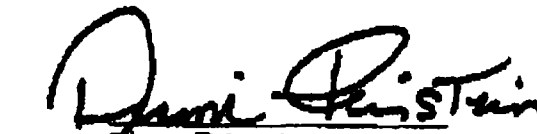

Judd Gregg


John Kerry

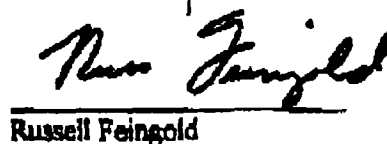

Larry Presser


Tom Harkin

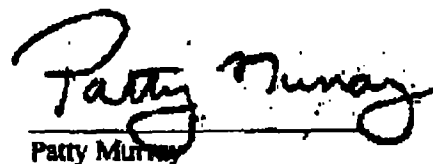

Alan Simpson


Dianne Feinstein


Arlen Specter


Russell Feingold

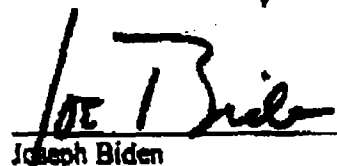

Mitch McConnell

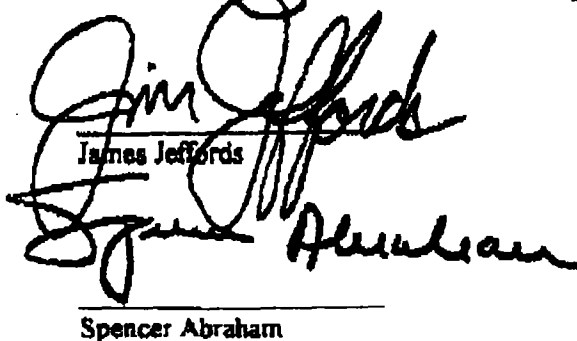

Patty Murray

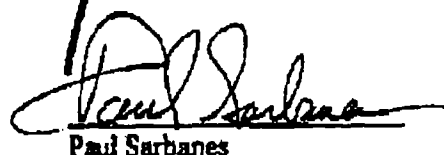

John Chafee

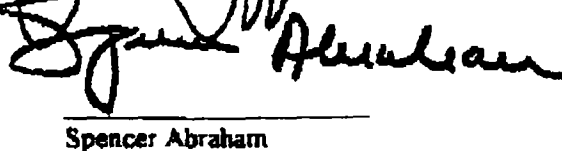

Carol Moseley-Braun

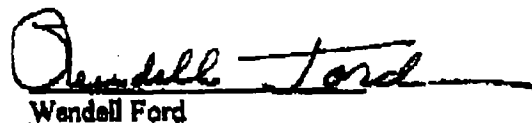

Ben Nighthorse Campbell


Joseph Biden


James Jeffords


Paul Sarbanes


Spencer Abraham


Wendell Ford

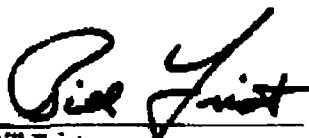

Frank Murkowski


Pat Moynihan

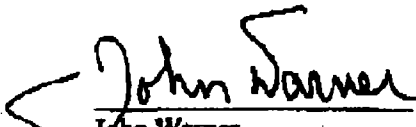
The Honorable Ted Stevens

June 14, 1996

page 4


Bill Frist


Ted Kennedy

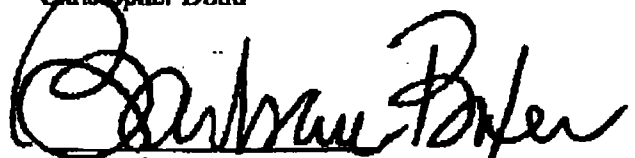

John Warner


Paul Wellstone

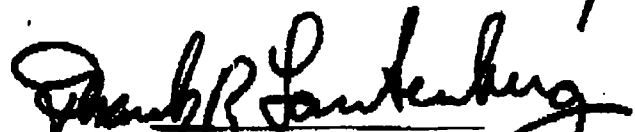

Bill Cohen


Christopher Dodd

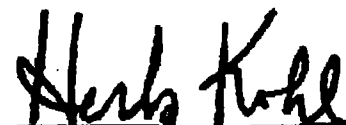

Ron Wyden


Barbara Boxer

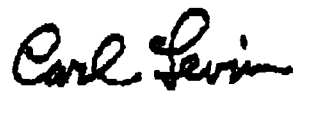

Claiborne Pell

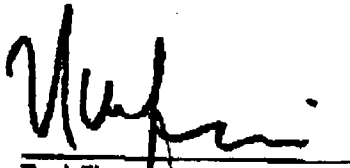

Frank Lautenberg


John D. Rockefeller


Herb Kohl

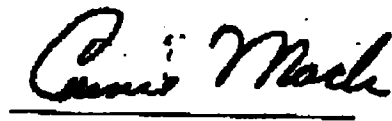

Charles S. Robb

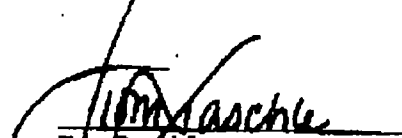

Carl Levin

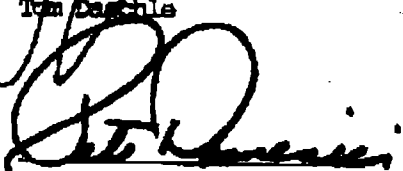

Paul Simon


Max Baucus


Jesse Helms

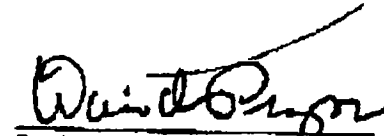

Connie Mack

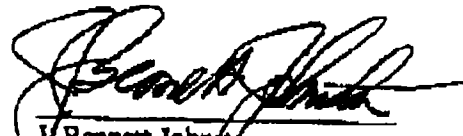

Tom Daschle

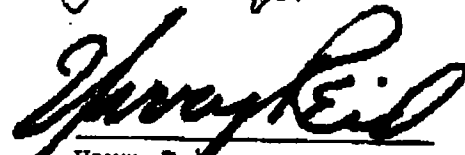

Pete Domenici


Daniel Akaka

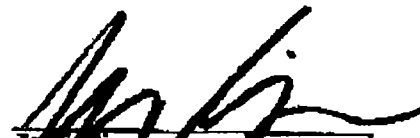

Dale Bumpers


David Pryor


J. Bennett Johnston


Harry Reid


Bob Graham

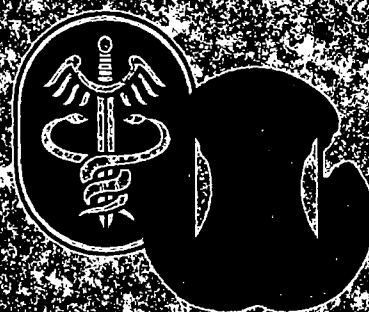

J. William


John Breaux

U.S. Army Breast Cancer Research Program

1995 Award List and Glossary of Terms

UNITED STATES ARMY
MEDICAL RESEARCH AND
MATERIEL COMMAND



POC: Mr. Chuck Dasey, Public Affairs Office
Fort Detrick, Frederick, Maryland 21702-5012
(301) 619-2736 DSN 343-2736

1 October 1996

The Department of Defense (DOD) and the U.S. Army Medical Research and Materiel Command are pleased to present the awards for the FY95 DOD Breast Cancer Research Program (BCRP). On September 30 1996, award negotiations were completed, culminating 18 months of program planning, proposal solicitation and evaluation, and award selection. The 292 awards listed in this document were selected by a competitive two-tiered review process from over 2200 submitted proposals. Funding decisions resulted from the matching of scientific excellence judged in the peer review (the first tier) with programmatic relevance judged in the second tier review. These projects represent a diverse portfolio of scientific research that harbors the highest promise of fulfilling the program's mission to reduce the incidence of breast cancer, increase survival rates, and enhance the quality of life for those living with the disease.

Congressional direction for FY95 specified three distinct allocations within the total \$150 M appropriation: \$15 M for a Breast Cancer Centers Program, \$20 M for a Mammography/Breast Imaging Program, and \$115 M for a Multidisciplinary Research and Training Program. This direction required the development of independent programs for each allocation. During the 12 months that followed the receipt of funds in March of 1995, program strategies were developed, proposals were solicited and evaluated, and awards were selected for each program. The outcome: three unique research programs, each with a distinct focus, that span a broad range of critical issues and will have significant impact on the overall national breast cancer effort.

Funds for the Breast Cancer Centers Program were used to support projects to enhance patient-centered care. The three awards for this program focus on applied research and model systems of health care delivery, emphasizing community outreach and strategies to promote patient accession in clinical trials, particularly among minority and underserved populations. It is hoped that this work will foster the development of a model breast cancer center for the future: an institution that networks with the community to provide the highest caliber of expertise and the latest advances in research to the largest number of breast cancer patients.

The goal of the Mammography/Breast Imaging Program is to improve and verify the accuracy of breast imaging in institutional and community environments. Funds have been invested in 21 awards focusing on research in observational and interpretational errors. Collectively, these projects address major technical and clinical issues relating to image acquisition and processing, variability in clinical interpretation, and continuous quality improvement. Research topics include techniques for computer-aided diagnosis, new strategies for digital mammography, transfer of DOD imaging technologies, telemammography, and quality assurance. This exciting research offers tremendous potential for improved detection and diagnosis - key weapons in the battle against breast cancer.

The remaining \$115 M was used to fund a multidisciplinary research and training portfolio based on the original IOM-recommended strategy from the FY93/94 DOD BCRP. Eighty-nine training grants and 179 research projects addressing critical issues across all areas of breast cancer prevention, detection, diagnosis, treatment and quality of life were awarded under this program. Encompassing basic, clinical, epidemiologic and psychosocial research, these awards hold continued promise to fulfill the DOD BCRP research mission by fostering new directions, addressing neglected issues, and attracting new investigators to the field.

As scientists embark on these projects, the DOD and the U.S. Army gratefully acknowledge the participation of their scientific advisors, breast cancer survivors, and consumer advocates. The expertise, diversity of perspectives, and vision of all members who contributed to this program were vital to developing the soundest investment on behalf of all persons living with or at risk for breast cancer. It is with great anticipation and excitement that we await the outcomes of this research.

**FY95 Breast Cancer
Research Program
Funded Projects**

Cancer Center Projects

U.S. ARMY BREAST CANCER RESEARCH PROGRAM 1995 AWARD LIST

Cancer Center Projects

Cnt	PI Name		Institution	Proposal Title	Category	Sub-Category	Final Amount
1	Esserman	Laura	Regents of University of California	A New Vision for Integrated Breast Care	Cancer Centers	Cancer Centers	\$4,299,823
2	Lippman	Marc	Georgetown University	Breast Cancer Center Support Grant	Cancer Centers	Cancer Centers	\$4,300,000
3	Morrow	Monica	Northwestern University	Increasing Access to Modern Multidisciplinary Breast Cancer Care	Cancer Centers	Cancer Centers	\$4,267,052

Special Mammography Projects

U.S. ARMY BREAST CANCER RESEARCH PROGRAM 1995 AWARD LIST

Special Mammography Projects

Cnt	PI Name		Institution	Proposal Title	Category	Sub-Category	Final Amount
1	Chan	Heang-Ping	Regents of the University of Michigan	Computer-Aided Diagnosis and Feature-Guided Data Reduction Systems in Mammography	Special Mammography	Demo Projects	\$1,000,000
2	Doi	Kunio	University of Chicago	Demonstration Project on Mammographic Computer-Aided Diagnosis for Breast Cancer Detection	Special Mammography	Demo Projects	\$800,000
3	Floyd	Carey	Duke University Medical Center	Computer-Aided Diagnosis of Breast Cancer: A Multi-Center Demonstration	Special Mammography	Demo Projects	\$599,942
4	Hendrick	R. Edward	University of Colorado Health Sciences Center	Clinical and Technical Evaluation of Full-Field Digital Mammography	Special Mammography	Demo Projects	\$1,600,000
5	Schilling	Ronald	Primex General Imaging Corp.	Clinical and Technical Performance Evaluation of a Digital Mammography System	Special Mammography	Demo Projects	\$1,599,554
6	Sickles	Edward	University of California at San Francisco	Real-Time Full-Field Direct Digital Tele mammography	Special Mammography	Demo Projects	\$1,956,033
7	Urban	Nicole	Fred Hutchinson Cancer Research Center	Reaching Rural Mammographers for Quality Improvement	Special Mammography	Demo Projects	\$1,957,359
8	Wobschall	Darold	Sensor Plus Inc.	High-Resolution and Sensitivity Digital X-Ray Imager for Mammography	Special Mammography	Demo Projects	\$1,888,763
9	Baker	Jay	Duke University Medical Center	Breast Ultrasound: Computer-Aided Diagnosis Approach to Improving Specificity and Decreasing Observer Variability	Special Mammography	IDEA	\$149,940
10	Brzakovic	Dragana	Lehigh University	Mammogram Screening by Automated Follow-Up: A Feasibility Study	Special Mammography	IDEA	\$147,362
11	Conant	Emily	Thomas Jefferson University	2-D and 3-D Digital Analysis of Breast Calcifications: A Technique to Improve Mammographic Specificity	Special Mammography	IDEA	\$147,982
12	Flynn	Michael	Henry Ford Health System	High Fidelity Electronic Display of Digital Mammographs	Special Mammography	IDEA	\$139,715
13	Fogel	David	Natural Selection, Inc.	Using Neural Networks in Diagnosing Breast Cancer	Special Mammography	IDEA	\$70,757
14	Johnston	Richard	University of North Carolina at Chapel Hill	Exploration of Monoenergetic X-Ray Mammography with Synchrotron Radiation	Special Mammography	IDEA	\$148,737
15	Kimme-Smith	Carolyn	Regents of the University of California	Routine Quality Assurance for Whole Breast Digital Mammography	Special Mammography	IDEA	\$107,931

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Special Mammography Projects

Cnt	PI Name		Institution	Proposal Title	Category	Sub-Category	Final Amount
16	Worstell	William	Trustees of Boston University	Development of High-Resolution PET Mammograph Modules	Special Mammography	IDEA	\$149,554
17	Carson	Paul	Regents of University of Michigan	3-D Ultrasound Vascularity Assessment for Breast Cancer Diagnosis	Special Mammography	OIA	\$600,000
18	Getty	David	BBN Systems and Technologies	Stereoscopic Digital Mammography: Improving Cancer Diagnosis	Special Mammography	OIA	\$843,193
19	Schmidt	Robert	University of Chicago	Cancers Missed on Mammography	Special Mammography	OIA	\$722,905
20	Sudharsanan	Rengarajan	Spire Corp.	Thin Film CdZnTe Detectors for Digital Mammography	Special Mammography	OIA	\$795,747
21	Tumer	Tumay	NOVA R & D	A High-Sensitivity Imaging Scintimammography System (ScintiMAM)	Special Mammography	OIA	\$197,260

Training Projects

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Training Projects

Cnt	PI Name		Institution	Proposal Title	Category	Sub-Category	Final Amount
1	Bhatia	Smita	University of Minnesota	Breast Cancer following Pediatric Hodgkin's Disease: Risk Factors and Intervention	Training	CDA	\$200,000
2	Blencowe	Benjamin	Massachusetts Institute of Technology	Role of Ser-Arg Proteins in the Regulation of RNA Processing	Training	CDA	\$190,370
3	Chen	William	University of Illinois at Chicago	Transgenic Mouse Model to Study the Role of EGF Receptor in Breast Cancer	Training	CDA	\$200,000
4	Garabedian	Michael	New York University Medical Center	Factors Modulating Estrogen Receptor Activity	Training	CDA	\$193,782
5	Hankinson	Susan	Brigham and Women's Hospital	Prospective Analyses of Hormone Levels, Alcohol Intake, and Body Fat Distribution in Relation to Breast Cancer Risk	Training	CDA	\$195,978
6	Harris	Lyndsay	Georgetown University	ErbB Receptors and Drug Response in Breast Cancer	Training	CDA	\$209,299
7	Hines	Susan	Virginia Commonwealth University	C-Kit and Stem Cell Factor Expression in Breast Cancer	Training	CDA	\$210,161
8	Kim	Hyeong-Reh	Wayne State University	Role of Bcl-2 in Breast Cancer Progression	Training	CDA	\$208,363
9	Liu	Xuan	University of California at Riverside	Stimulation of p53-Dependent Transcription by the Growth Suppressor, c-Abl	Training	CDA	\$197,992
10	Nicolet	Charles	Regents of the University of Wisconsin	Antibody-IL2 Fusion Protein Delivery by Gene Transfer	Training	CDA	\$200,000
11	Oh	Youngman	Oregon Health Sciences University	Inhibition of Breast Cancer Growth by IGFBP-3	Training	CDA	\$200,000
12	Roberts	Walter	Regents of the University of California	Vascular Endothelial Growth Factor and Receptors in Breast Cancer	Training	CDA	\$200,000
13	Sahiner	Berkman	Regents of the University of Michigan	Computer-Aided Classification of Malignant and Benign Lesions on Mammograms	Training	CDA	\$197,293
14	Schwartz	Lisa	VA Medical and Regional Office Center	Enhancing Informed Decision Making about Mammography	Training	CDA	\$598,397
15	Seto	Christopher	Brown University	Anti-Cancer Agents Based on a New Class of Transition-State Analog Inhibitors for Serine and Cysteine Proteases	Training	CDA	\$200,000
16	Surmacz	Ewa	Thomas Jefferson University Jefferson Cancer Institute	IGF-IR Signaling in Breast Cancer	Training	CDA	\$152,278

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Training Projects

Cnt	PI Name		Institution	Proposal Title	Category	Sub-Category	Final Amount
17	Tang	Careen	Georgetown University	Study the Pathogenic Role of erbB3, erbB4, and Their Ligand Heregulin in Human Breast Cancer Cells	Training	CDA	\$208,694
18	Tuck	Alan	Victoria Hospital Research Institute	The Role of Osteopontin in the Malignancy of Human Breast Carcinoma	Training	CDA	\$150,000
19	Belsches	Allison	University of Virginia	Investigations of Functional and Structural Interactions between c-Src and HER2: Involvement in Human Breast Tumor Formation	Training	POST	\$100,496
20	Cho	Yunhi	Columbia University	The Role of PKC in Retinoic Acid Regulation of Human Mammary Cancer Cell Proliferation	Training	POST	\$108,727
21	Clark	Steven	Regents of the University of California	Comparative Genomic Hybridization onto Dense Arrays of DNA Clones: Development and Application to Breast Cancer Genomes	Training	POST	\$80,000
22	Clarke	Robert	Georgetown University	Suppressor Genes in Breast Cancer	Training	POST	\$140,792
23	Cook	Linda	Fred Hutchinson Cancer Research Center	Post-Doctoral Training: Case-Control Analyses of Breast Cancer	Training	POST	\$83,000
24	Czekay	Ralf Peter	Regents of the University of California	Relationship between Scavenger Receptors and uPA:PAI-1 and uPA Receptors in Breast Cancer	Training	POST	\$138,584
25	Desjardins	Edward	University of Colorado at Boulder	Characterization of sur-2; A Novel Ras-Mediated Signal Transduction Component in C. Elegans	Training	POST	\$123,766
26	Dipippo	Vincent	Trustees of the University of Illinois	Regulation of Estrogen Receptor mRNA Stability in Human Breast Cancer Cells	Training	POST	\$67,815
27	Doerr	Monica	University of North Carolina at Chapel Hill	The Role of Integrins and IGFBFs in the IGF-I Stimulated Migration of Human Breast Cancer Cells	Training	POST	\$127,436
28	Forrester	Wayne	Regents of the University of California	Control of Cell Migration during Development	Training	POST	\$64,650
29	Holth	Laurel	University of Manitoba Faculty of Medicine	Role of Nuclear Matrix in Estrogen-Regulated Gene Expression in Human Breast Cancer Cells	Training	POST	\$101,788
30	Hu	Dana	La Jolla Cancer Research Foundation	Integrin Regulation of Apoptosis in Breast Cancer	Training	POST	\$120,000
31	Jones	Frank	Yale University School of Medicine	Regulation of neu Signaling in Breast Cancer	Training	POST	\$136,576

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Training Projects

Cnt	PI Name		Institution	Proposal Title	Category	Sub-Category	Final Amount
32	Jongewaard	Ian	La Jolla Cancer Research Foundation	Tumor Cell De-Adhesion by Aberrant, Single Subunit Integrins	Training	POST	\$120,000
33	Koren	Iztok	University of Florida	An Overcomplete Enhancement of Digital Mammograms	Training	POST	\$119,982
34	Lane	Timothy	Harvard Medical School	The Brca1 Tumor-Suppressor Gene in a Mouse Model of Breast Cancer	Training	POST	\$126,682
35	Leng	Jie	Scripps Research Institute	Role of Rac GTPase in Tumor Motility and Metastasis	Training	POST	\$137,424
36	Leygue	Etienne	University of Manitoba	Role of Estrogen Receptor Variants in Tumorigenesis of Human Breast Cancer	Training	POST	\$95,306
37	Liu	Hong	Dana-Farber Cancer Institute	Estrogen Receptor-Mediated Transcription In Vitro	Training	POST	\$172,978
38	Liu	Hongxiang	Cold Spring Harbor Laboratory	Mechanism of Splicing of Unusual Intron in Human Proliferating Cell Nucleolar P120	Training	POST	\$123,000
39	Liu	Xiaohong	Regents of the University of California	Biological Roles of MAPK Cascades in Breast Cancer Cells	Training	POST	\$119,063
40	Love-Schimenti	Cheryl	Northern California Institute for Research and Education	Estrogen-Modulated Response of Breast Cancer to Vitamin D and Its Analogs: Role of IGF	Training	POST	\$146,322
41	Luo	Kunxin	Whitehead Institute for Biomedical Research	Analysis of the TGF-Beta Receptor Signal Transduction Pathways and the TGF-Beta Receptor Kinases	Training	POST	\$86,000
42	McAndrews	Joanne	Northwestern University Medical School	Effects of Fatty Acids on Estrogen-Dependent Breast Cancer Growth	Training	POST	\$119,945
43	Neufeld	Kristi	Huntsman Cancer Institute	Potential Role of the Tumor Suppressor Adenomatous Polyposis Coli in Polarization of Breast Epithelial Cells	Training	POST	\$94,000
44	Pati	Debananda	Baylor College of Medicine	Identification of Novel Targets of the Human Cell Cycle Regulatory Protein, Cdc34	Training	POST	\$111,136
45	Ram	Tracy	Regents of the University of Michigan	Role of erbB-2 and erbB-3 in the Activation of Phosphatidylinositol 3-Kinase	Training	POST	\$137,969
46	Schubert	Elizabeth	University of Washington	Mutations in ATM, Radiation Exposure, and Breast Cancer Risk among Black and White Women	Training	POST	\$141,255
47	Skinner	Henry	Baylor College of Medicine	A Mouse Model for the Cloning of a Tumor Suppressor Gene Mutated in Sporadic Breast Cancer	Training	POST	\$138,358
48	Teraoka	Sharon	Virginia Mason Research Center	Screening for Ataxia-Telangiectasia Mutations in a Population-Based Sample of Women with Early-Onset Breast Cancer	Training	POST	\$120,000

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Training Projects

Cnt	PI Name		Institution	Proposal Title	Category	Sub-Category	Final Amount
49	Woodward	Terry	Michigan State University	Role of Stroma-Derived Extracellular Matrix in Regulation of Growth and Hormonal Responsiveness of Normal and Cancerous Human Breast Epithelium	Training	POST	\$158,373
50	Xu	Qunli	La Jolla Cancer Research Foundation	Genetic Regulation of the Bcl-2/Bax Cell Death Pathway	Training	POST	\$113,919
51	Zahnow	Cynthia	Baylor College of Medicine	A Novel Role for C/EBP in Mammary Development and Breast Cancer	Training	POST	\$147,360
52	Zhang	Jian	Yale University	Transgenic Analysis of the Role of Transcription Factor AP-2 in Breast Development and Breast Cancer	Training	POST	\$131,113
53	Zhou	Qiang	Massachusetts Institute of Technology	Tat-SF: A Cellular Factor for Regulation of Transcriptional Elongation by HIV Tat	Training	POST	\$70,960
54	Bhat	Abhijit	Ohio State University Research Foundation	Analogues of Estrogen Metabolites as Probes of Estrogen-Induced Tumorigenesis	Training	PREF	\$58,541
55	Boxhorn	Heike	University of Pennsylvania	Gene Therapy Mediated Breast Cancer Immunity	Training	PREF	\$59,415
56	Chapman	Carolyn	Harvard Medical School	Analysis of the Fission Yeast rad3+ Gene Product	Training	PREF	\$81,483
57	Chodosh	Lewis	University of Pennsylvania	Protein Kinases in Mammary Gland Development and Carcinogenesis	Training	PREF	\$60,000
58	Chodosh	Lewis	University of Pennsylvania	Puberty, Differentiation, and Breast Cancer Risk	Training	PREF	\$60,000
59	Chrysogelos	Susan	Georgetown University	The Role of the EGF Receptor and Vitamins A and D in the Development and Progression of Breast Cancer to More Malignant Hormone Independent Phenotypes	Training	PREF	\$61,200
60	Craven	Rolf	University of North Carolina at Chapel Hill	The Role of the Novel Nuclear Tyrosine Kinase, Rak, in Breast Cancer Biology	Training	PREF	\$59,940
61	Crowley	Michael	Health Research, Inc.; Roswell Park Division	Genes Altered by Intracisternal A Particles in Mouse Mammary Tumorigenesis	Training	PREF	\$58,684
62	Fehr	Charles	University of Arizona	Vacuolar-Type H ⁺ -ATPases in Human Breast Cancer	Training	PREF	\$60,000
63	Giannuzzi	Caroline	Duke University Medical Center	The Identification of Estrogen Responsive Genes in the Hypothalamic-Pituitary Axis	Training	PREF	\$60,000
64	Gilliam	Lisa	Duke University Medical Center	An Immunotherapeutic Approach to the Treatment and Prevention of Breast Cancer, Based on Epidermal Growth Factor Receptor Variant, Type III	Training	PREF	\$60,234

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Training Projects

Cnt	PI Name		Institution	Proposal Title	Category	Sub-Category	Final Amount
65	Gould	Michael	University of Wisconsin at Madison	Evaluating Gene Therapy Approaches for the Prevention of Breast Cancer	Training	PREF	\$814,371
66	Hofmann	Edward	University of Maryland at Baltimore	Characterization of Breast Cancer Cell Death Induced by Interferons and Retinoids	Training	PREF	\$80,000
67	Huwiler	Kristin	Regents of the University of Wisconsin	Biophysical Studies of the Type 1 Repeats of Human Thrombospondin-1 to Characterize the Structural Basis of Its Angiostatic Effect	Training	PREF	\$59,182
68	Kandel	Eugene	Trustees of the University of Illinois	Genes Determining Taxol Sensitivity	Training	PREF	\$60,762
69	Lee	Traci	Regents of the University of Wisconsin	The Possible Role of E2F in Rat Mammary Carcinogenesis	Training	PREF	\$60,327
70	Lewis	Michael	Beckman Research Institute/City of Hope	Macrocyclic Radiochelates for Antibody Imaging and Therapy of Breast Cancer	Training	PREF	\$40,000
71	Li	Ying	Washington State University	Role of HMG-I(Y) in Human Breast Cancer Metastasis	Training	PREF	\$69,458
72	Maier	Cynthia	John P. Roberts Research Institute	Microvasculature Magnetic Resonance Imaging for the Diagnosis of Breast Cancer	Training	PREF	\$48,876
73	Marshall	Keith	University of California at San Francisco	Targeting of Cytolytic T-Cells for Breast Cancer Therapy Using Novel Fusion Proteins	Training	PREF	\$66,506
74	McCarthy	Ellen	Trustees of Boston University	Prior Mammography Utilization: Does It Explain Black-White Differences in Breast Cancer Outcomes	Training	PREF	\$55,861
75	Moore	Rebecca	Tufts University	Antagonistic Action of Hyaluronan Oligomers in Breast Cancer	Training	PREF	\$84,929
76	Nunez	Gabriel	Regents of the University of Michigan	Molecular Interactions of Bcl-2 Family Members in Breast Cancer Cells	Training	PREF	\$69,612
77	Reddy	Deepthi	Temple University School of Medicine	Identification and Localization of Genes Which Restore Senescence in Breast Cancer Cells	Training	PREF	\$60,000
78	Saavedra	Elba	University of New Mexico	Delays and Refusals in Treatment for Breast Cancer among Native-American and Hispanic Women with Breast Cancer	Training	PREF	\$72,043
79	Sanders	Tanya	Brown University	A New Class of Serine and Cysteine Protease Inhibitors with Chemotherapeutic Potential	Training	PREF	\$57,510
80	Schooler	Kevin	University of Utah	The Role of EGF Receptor Negative Regulatory Components in Breast Cell Growth	Training	PREF	\$82,188

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Training Projects

Cnt	PI Name		Institution	Proposal Title	Category	Sub-Category	Final Amount
81	Schwartz	Anna	University of Utah	The Relationship of Exercise to Fatigue and Quality of Life in Women with Breast Cancer	Training	PREF	\$58,735
82	Sieburth	Derek	Regents of the University of Colorado	Genetic and Molecular Analysis of Suppressors of Ras Mutations	Training	PREF	\$63,684
83	Sung	Victoria	Georgetown University	Role of Bone Sialoproteins in Osseous Metastasis of Breast Cancer	Training	PREF	\$61,364
84	Swisshelm	Karen	University of Washington School of Medicine	A New Insulin-Like Growth Factor Binding Protein (Mac25) and Its Role in Breast Cancer and Cell Growth Control	Training	PREF	\$79,928
85	Tice	David	University of Virginia	Mechanism of c-Src Synergy with the EGFR in Breast Cancer	Training	PREF	\$56,526
86	VanHouten	Joshua	Health Research, Inc.; Roswell Park Division	Role of a Placenta-Specific Gene in Mammary Tumorigenesis	Training	PREF	\$54,061
87	Williams	Celeste	Ohio State University Research Foundation	X-Photon-to-Information Conversion Efficiency in Digital Telemammography	Training	PREF	\$80,000
88	Xing	Xiangming	University of Texas M.D. Anderson Cancer Center	Development of PEA3 as a Potential Gene Therapy Agent for Breast Cancer	Training	PREF	\$60,000
89	Yudt	Matthew	University of Rochester	Function of Estrogen Receptor Tyrosine Phosphorylation	Training	PREF	\$60,000

Research Projects

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Research Projects

Cnt	PI Name		Institution	Proposal Title	Category	Sub-Category	Final Amount
1	Aldrich	Jane	University of Maryland at Baltimore	Novel Irreversible Inhibitors of Cathepsin D	Research	IDEA	\$149,916
2	Backer	Joseph	New York Medical College	Possible Mechanisms for Regulation of Breast Tumor Micrometastasis by NME Genes	Research	IDEA	\$148,942
3	Bates	Paul	University of Pennsylvania	Targeted Retroviral Infection of Mammary Cells in Viral Receptor Transgenics	Research	IDEA	\$139,746
4	Blaszczuk-Thurin	Magdalena	Wistar Institute	Carbohydrate Mimicking Peptides as Inhibitors of Angiogenesis and Metastasis	Research	IDEA	\$150,000
5	Carter	Christine	OncorMed, Inc.	Use of p53 Mutation Analysis for Staging Breast Cancer	Research	IDEA	\$149,546
6	Cauley	Jane	University of Pittsburgh	Bone Density and the Risk of Breast Cancer	Research	IDEA	\$144,919
7	Charles	M. Judith	University of North Carolina at Chapel Hill	A Pilot Study to Explore Linkages among Isomers of Organchlorines, Promutagenic DNA Lesions, and Breast Cancer Using Sensitive Techniques of Analytical Chemistry	Research	IDEA	\$149,959
8	Cherry	Simon	Regents of the University of California	A Dedicated PET Scanner for Axillary Node Imaging	Research	IDEA	\$149,393
9	Choe	Senyon	Salk Institute for Biological Studies	Engineering Diphtheria Toxin towards the Development of Therapeutics against Breast Cancer	Research	IDEA	\$144,067
10	Clinton	Gail	Oregon Health Sciences University	Signalling Activity and Prognostic Significance of Variant Forms of p185 ^{HER-2/neu} in Breast Cancer	Research	IDEA	\$149,369
11	Condeelis	John	Albert Einstein College of Medicine	Metastatic Tumor Cell Behavior In Situ	Research	IDEA	\$150,000
12	Dveksler	Gabriela	Henry M. Jackson Foundation for the Advancement Military Medicine	Role of Pregnancy-Specific Glycoproteins in Breast Cancer Development	Research	IDEA	\$149,987
13	Gaubatz	James	University of South Alabama	Dietary Carcinogens and Breast Cancer	Research	IDEA	\$150,000
14	Geballe	Adam	Fred Hutchinson Cancer Research Center	Translational Regulation of HER2 Gene Expression	Research	IDEA	\$149,733
15	Giese	Roger	Northeastern University	Detection of DNA Adducts in Human Breast Tissue	Research	IDEA	\$140,000
16	Gimble	Jeffrey	Oklahoma Medical Research Foundation	Expression of Novel Steroid/Receptors in Mammary Development: Peroxisome Proliferator Activated Receptors	Research	IDEA	\$149,912

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Research Projects

Cnt	PI Name		Institution	Proposal Title	Category	Sub-Category	Final Amount
17	Hargreaves	Margaret	Meharry Medical College (HBC)	Obstacles to the Primary and Secondary Prevention of Breast Cancer in African-American Women	Research	IDEA	\$149,878
18	Hoon	Dave	John Wayne Cancer Institute	A Quantitative Multimarker Molecular Assay to Detect Hematogenous Breast Cancer Metastasis	Research	IDEA	\$149,320
19	Hung	Mien Chie	University of Texas M.D. Anderson Cancer Center	Targeting HER-2/neu Overexpression by Suicide Ribozyme in Breast Cancer	Research	IDEA	\$150,000
20	Hursting	Stephen	University of Texas M.D. Anderson Cancer Center	Characterization of Wnt-1 Transgenic Mice (with and without p53-Deficiency) as Models of Spontaneous Mammary Tumorigenesis for Chemoprevention Studies	Research	IDEA	\$146,184
21	Jacobsen	Sten	Hipple Cancer Research Center	Expansion of Hematopoietic Stem Cells for Transplantation with flt3 Ligand	Research	IDEA	\$148,362
22	Jain	Rakesh	Massachusetts General Hospital	MRS and MRI Studies of the Structure and Function of Tumor Interstitial Matrix	Research	IDEA	\$150,000
23	Jeng	Meei-Huey	University of Virginia	Steroid Receptors' Functions In Vivo and Breast Cancer	Research	IDEA	\$111,298
24	Johnson	Christine	Case Western Reserve University	Molecular Epidemiology of Breast Cancer: Establishment of an At-Risk Cohort and Methods to Improve the Collection and Use of Risk Factor Data	Research	IDEA	\$149,202
25	Karnaky, Jr.	Karl	Medical University of South Carolina	Fgp Concentration of Carcinogens in Breast Epithelia	Research	IDEA	\$150,000
26	Kern	Scott	Johns Hopkins University School of Medicine	Representational Difference Analysis of Human Breast Cancer	Research	IDEA	\$144,154
27	King	Mary-Claire	University of Washington	Mutations in ATM, Radiation Exposure, and Breast Cancer Risk among Black and White Women	Research	IDEA	\$150,000
28	Kundel	Harold	University of Pennsylvania	A Well-Tempered Mammographic Display	Research	IDEA	\$147,050
29	Kushi	Lawrence	University of Minnesota	Feasibility of Breast Cancer Epidemiology on the Internet	Research	IDEA	\$149,353
30	Levenson	Victor	University of Illinois at Chicago	Genetic Elements for Chemoprotection against Cyclophosphamide	Research	IDEA	\$148,596
31	Lipkus	Isaac	Duke University Medical Center	Mammography Screening among African-American Women with a Family History of Breast Cancer	Research	IDEA	\$140,263
32	Lubahn	Dennis	Curators of the University of Missouri	Estrogen Effects on Breast Tumor Growth in Estrogen Receptor-Minus Mice	Research	IDEA	\$149,945

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Research Projects

Cnt	PI Name		Institution	Proposal Title	Category	Sub-Category	Final Amount
33	Luck	Linda	Clarkson University	Substrate-Induced Conformational Studies of the Hormone Binding Domain of the Human Estrogen Receptor by Fluorine NMR	Research	IDEA	\$145,332
34	Marks	James	University of California at San Francisco	Specific Targeting of Retroviral Vectors for Breast Cancer Therapy	Research	IDEA	\$149,996
35	Maskarinec	Gertraud	University of Hawaii	Ethnicity, Soybean Consumption, and Mammographic Densities	Research	IDEA	\$149,796
36	McCarty, Jr.	Kenneth	University of Pittsburgh	Observations on Bilateral Mastectomy: Resource Evaluation	Research	IDEA	\$130,858
37	Miller	Sheldon	Regents of the University of California	Fluid Transport Mechanisms in Breast Gross Cystic Disease	Research	IDEA	\$148,403
38	Moynihan	Jan	University of Rochester Medical Center	Effects of Psychosocial Intervention in Women following Breast Cancer Diagnosis	Research	IDEA	\$149,991
39	Nardulli	Ann	Trustees of the University of Illinois	In Vivo Footprinting of the Progesterone Receptor Gene in Human Breast Cancer Cells	Research	IDEA	\$136,849
40	Papaioannou	Virginia	Columbia University Health Sciences	Role of T-Box Gene in Mammary Gland Development and Neoplasia	Research	IDEA	\$153,529
41	Patterson	Elizabeth	Trustees of the University of Pennsylvania	Racial Differences in Breast Cancer Screening Behaviors and Beliefs in Urban Public School Teachers	Research	IDEA	\$141,924
42	Pentecost	Brian	Health Research, Inc.	Cell Regulation by a Novel Estrogen-Regulated Gene	Research	IDEA	\$149,008
43	Prasad	Sarada	Georgetown University	Role of DNA Methylation in the Mechanism of Anti-Estrogenic Action of Tamoxifen	Research	IDEA	\$149,114
44	Radany	Eric	Regents of the University of Michigan	Restriction Landmark Genomic Scanning Analysis of Breast Cancer for Detection of Novel Amplicons	Research	IDEA	\$143,109
45	Reed	John	La Jolla Cancer Research Foundation	Yeast Genetics for Delineating Bax/Bcl-2 Pathway of Cell Death Regulation	Research	IDEA	\$148,824
46	Riblet	Roy	Medical Biology Institute	Breast Cancer Genes Identified by Loss of Heterozygosity	Research	IDEA	\$149,000
47	Rogan	Eleanor	Regents of the University of Nebraska	Initiation of Breast Cancer: Activated Catechol Estrogens	Research	IDEA	\$146,894
48	Ruch	Randall	Medical College of Ohio	Xenobiotic Modulation of Human Mammary Epithelial Cell Gap Junctional Intercellular Communication and Growth	Research	IDEA	\$148,440
49	Sawadogo	Michele	University of Texas M.D. Anderson Cancer Center	Importance of USF in Breast Cancer	Research	IDEA	\$146,509

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Research Projects

Cnt	PI Name		Institution	Proposal Title	Category	Sub-Category	Final Amount
50	Sehgal	Chandra	Trustees of the University of Pennsylvania	Color and Power Doppler Imaging for Measuring Microvessel Density in Breast Tumors	Research	IDEA	\$143,256
51	Serrero	Ginette	University of Maryland at Baltimore School of Pharmacy	Epithelin/Granulin Precursor Expression in Human Breast Carcinoma	Research	IDEA	\$149,966
52	Sevick-Muraca	Eva	Purdue Research Foundation	Fluorescence-Lifetime Imaging for Breast Cancer Detection and Diagnosis	Research	IDEA	\$145,335
53	Shen	Wei-Chiang	University of Southern California	Breast Cancer Prevention by a Soybean Protein	Research	IDEA	\$148,578
54	Shyamala	Gopalan	U.S. Department of Energy for Performance	Role of Progesterone in the Etiology of Breast Cancer	Research	IDEA	\$149,987
55	Small	Gillian	Mount Sinai School of Medicine	Peroxisomal Oxidation in Normal and Tumoral Human Breasts	Research	IDEA	\$149,914
56	Spelic	David	U.S. Food and Drug Administration	Contrast Enhancement of Mammograms by Optical Polarization of the Viewing Environment	Research	IDEA	\$150,000
57	Sporn	Michael	Trustees of Dartmouth College	New Approaches to Chemoprevention of Breast Cancer	Research	IDEA	\$149,040
58	Taylor	Kevin	University of Cincinnati	TGF-Alpha Expression During Breast Tumorigenesis	Research	IDEA	\$61,570
59	Thraves	Peter	Georgetown University	Radiation-Induced Transformation in Human Breast Cells	Research	IDEA	\$145,404
60	Tiedge	Henri	State University of New York Research Foundation	Expression of BC200 RNA in Human Breast Cancer	Research	IDEA	\$152,989
61	Tsai	Ming-Jer	Baylor College of Medicine	Role of Estrogen Receptor Target Genes in Breast Cancer	Research	IDEA	\$146,503
62	Vogel	Stefanie	Henry M. Jackson Foundation for the Advancement of Military Medicine	Taxol and LPS Modulation of c-kit and nm23 Expression in Macrophages and Normal vs. Malignant Breast Cancer Cell Lines	Research	IDEA	\$131,780
63	Weaver	John	Trustees of Dartmouth College	MR Measurement of Breast Tissue's Anisotropic Mechanical Properties	Research	IDEA	\$148,561
64	Westin	Eric	Virginia Commonwealth University	Function of the myb Proto-Oncogene in Breast Cancer	Research	IDEA	\$149,964
65	Yang	Ning Sun	Agracetus, Inc.	A Novel Gene Gun-Mediated IL-12 Gene Therapy for Breast Cancer	Research	IDEA	\$959,562
66	Zebala	John	Children's Hospital and Medical Center	Improved Breast Cancer Detection Using a Novel In Situ Method to Visualize Clonality	Research	IDEA	\$150,000

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Research Projects

Cnt	PI Name		Institution	Proposal Title	Category	Sub-Category	Final Amount
67	Zhu	Kangmin	Meharry Medical College (HBC)	Breast Cancer and Risk Factors among African-American Women Aged 20-54: A Case-Control Study according to Estrogen Receptor Status	Research	IDEA	\$149,688
68	Baumgartner	Kathy	University of Texas Health Science Center at Houston	Dietary Intake, Alcohol Consumption, and Menopausal Status: A Comparison of Hispanic and Non-Hispanic White Women	Research	NIA	\$57,841
69	Bhujwalla	Zaver	Johns Hopkins University School of Medicine	Vascular Functional Imaging and Physiological Environment of Hyperplasia, Non-Metastatic and Metastatic Breast Cancer	Research	NIA	\$593,917
70	Carraway	Kermit	Beth Israel Hospital	Characterization of a Novel p185 ^{erbB2/neu} Ligand from Breast Cancer Cells	Research	NIA	\$300,004
71	Chen	William	University of Illinois at Chicago	Transgenic Mouse Model to Study the Role of EGF Receptor in Breast Cancer	Research	NIA	\$589,448
72	Chodosh	Lewis	University of Pennsylvania	Role of Brca1 in Proliferation, Differentiation, and Breast Cancer	Research	NIA	\$596,358
73	Czubayko	Frank	Georgetown University	HER-2 as a Progression Factor and Therapeutic Target in Breast Cancer	Research	NIA	\$593,608
74	Dynlacht	Brian	Harvard University	Biochemical Characterization of Complexes with p21, a Cdk Inhibitor	Research	NIA	\$536,576
75	Haney	Peter	Washington University	Regulation of Glucose Transport in Quiescent, Lactating, and Neoplastic Mammary Epithelia	Research	NIA	\$447,042
76	Hannon	Gregory	Cold Spring Harbor Laboratory	Complementation Screening in Mammalian Cells: Application to Cell Immortalization	Research	NIA	\$599,998
77	Neuhausen	Susan	University of Utah	Prevalence and Characterization of BRCA2 in Male Breast Cancer Cases	Research	NIA	\$577,384
78	Prendergast	George	Wistar Institute	99: A Novel Myc-Interacting Protein with Features of a Breast Tumor Suppressor Gene Product	Research	NIA	\$600,000
79	Roberts	Walter	Regents of the University of California	Vascular Endothelial Growth Factor and Receptors in Breast Cancer	Research	NIA	\$823,396
80	Shames	Lisa	University of Southern California	The Effect of a Moderate Aerobic Exercise Training Program on Ovarian Function	Research	NIA	\$445,994
81	Shen	Michael	UMDNJ Robert Wood Johnson Medical School	Role of the EGF-Related Growth Factor Cripto in Murine Mammary Tumorigenesis	Research	NIA	\$600,000

U.S. ARMY BREAST CANCER RESEARCH PROGRAM 1995 AWARD LIST

Research Projects

Cnt	PI Name		Institution	Proposal Title	Category	Sub-Category	Final Amount
82	Sukumar	Saraswati	Johns Hopkins University School of Medicine	Microsatellite Alterations as Molecular Markers in Breast Cancer Progression	Research	NIA	\$392,906
83	Tomlinson	Gail	University of Texas Southwestern Medical Center at Dallas	Acquired Secondary Events in the Pathogenesis of Hereditary Breast Cancer	Research	NIA	\$477,724
84	Valdimarsdottir	Heiddis	Sloan-Kettering Institute for Cancer Research	Psychobehavioral Impact of Genetic Counseling and Breast Cancer Gene Testing in Healthy Women of African Descent	Research	NIA	\$579,581
85	Wysolmerski	John	Yale University	The Role of PTHrP in Mammary Gland Development and Tumorigenesis	Research	NIA	\$585,824
86	Zhu	Kangmin	Meharry Medical College (HBC)	An Intervention Study on Screening for Breast Cancer among Single African-American Women Aged 65 and Older	Research	NIA	\$594,721
87	Aldaz	Claudio	University of Texas M.D. Anderson Cancer Center	The p16 Pathway in Breast Cancer and Senescence Control	Research	OIA	\$523,626
88	Andersen	Barbara	Ohio State University Research Foundation	Stress and Immunity Breast Cancer Project	Research	OIA	\$808,568
89	Band	Vimla	New England Medical Center	The Role of a Novel Protease NES1 in Breast Cancer	Research	OIA	\$796,933
90	Barcellos-Hoff	Mary-Helen	U.S. Department of Energy for Performance at Lawrence Berkeley National Laboratory	Carcinogen-Induced Microenvironment in Breast Cancer	Research	OIA	\$794,923
91	Berget	Susan	Baylor College of Medicine	Metastatic Regulation of Differential Splicing of CD44	Research	OIA	\$798,617
92	Bjeldanes	Leonard	Regents of the University of California	Control of Breast Tumor Cell Growth by Dietary Indoles	Research	OIA	\$823,991
93	Blumenthal	Daniel	Morehouse School of Medicine (HBC)	The Breast Health Intervention Evaluation Study	Research	OIA	\$583,153
94	Bowen	Donnell	Howard University (HBC)	Selectivity of Very High-Dose Methotrexate in MCF-7 and Normal Cells Using a Priming- and Non-Toxic 5-Fluorouracil Dose	Research	OIA	\$430,141
95	Brown	Fowel	University of Texas Health Sciences Center at San Antonio	Prevention of Breast Cell Transformation by Blockade of the AP-1 Transcription Factor	Research	OIA	\$712,874

U.S. ARMY BREAST CANCER RESEARCH PROGRAM 1995 AWARD LIST

Research Projects

Cnt	PI Name		Institution	Proposal Title	Category	Sub-Category	Final Amount
96	Cardiff	Robert	Regents of the University of California, Davis	Comparative Breast Cancer Angiogenesis: Mouse Models	Research	OIA	\$85,000
97	Chang	Chia-Cheng	Michigan State University	Characterization of an In Vitro Human Breast Epithelial Organoid System	Research	OIA	\$951,371
98	Cheever	Martin	University of Washington	Immunity to HER-2/neu Protein	Research	OIA	\$1,233,226
99	Chou	Chung-Kwang	City of Hope National Medical Center	Electrochemical Treatment of Breast Cancer with Direct Current	Research	OIA	\$380,273
100	Clarke	Robert	Georgetown University	C-7 Progesterone Analogues and MDR1 in Breast Cancer	Research	OIA	\$840,989
101	Cohen	Edward	University of Illinois at Chicago	Induction of Immunity to a Breast Cancer-Associated Mucin in Transgenic Mice Expressing the Human Antigen--A Preclinical Study	Research	OIA	\$794,620
102	Coltman	Charles	CTRC Research Foundation	Enhancing Well-Being during Breast Cancer Recurrence	Research	OIA	\$831,815
103	Cooper	David	University of Pittsburgh	Chimeric Enzyme/Prodrug Therapy (CEPT) as Novel Gene Therapy for Breast Cancer	Research	OIA	\$162,701
104	Coyne	James	Regents of the University of Michigan	Stress and Coping in Genetic Testing for Cancer Risk	Research	OIA	\$837,296
105	Dixit	Vishva	Regents of the University of Michigan	Identification of Components of the Cell Death Pathway	Research	OIA	\$794,707
106	Earp	Shelton	University of North Carolina at Chapel Hill	Actions and Substrates for the HER4 Tyrosine Kinase in Breast Cancer	Research	OIA	\$756,413
107	Elledge	Stephen	Baylor College of Medicine	The Role of KIP2 in Breast Cancer	Research	OIA	\$812,256
108	Elliott	Bruce	Queen's University	Role of an Hepatocyte Growth Factor Autocrine Loop in Growth and Metastasis of Breast Cancer	Research	OIA	\$315,635
109	Eyfjord	Jorunn Erla	Icelandic Cancer Society	Association of Risk Factors with TP53 Mutations and the Breast Cancer Genes BRCA1 and BRCA2	Research	OIA	\$442,120
110	Faller	Douglas	Trustees of Boston University	Virus-Targeted Therapeutic for Breast Cancer	Research	OIA	\$617,505
111	Farquhar	Marilyn	Regents of the University of California	Role of Scavenger Receptors in Uptake of uPA:PAI-1 Complexes in Breast Cancer	Research	OIA	\$922,149
112	Felten	David	University of Rochester	Deprenyl and Protection against Mammary Tumors	Research	OIA	\$601,310
113	Fett	James	Harvard Medical School	Novel Antiangiogenic/Cytotoxic Therapies for Advanced Breast Cancer	Research	OIA	\$815,725

U.S. ARMY BREAST CANCER RESEARCH PROGRAM 1995 AWARD LIST

Research Projects

Cnt	PI Name		Institution	Proposal Title	Category	Sub-Category	Final Amount
114	Finlay	Thomas	New York University Medical Center	Regulation of Growth Factor Release by Proteases and Protease Inhibitors in Breast Cancer	Research	OIA	\$866,077
115	Freeman	Jean	University of Texas Medical Branch at Galveston	Mammography Use by Older Mexican-American Women	Research	OIA	\$610,461
116	Freudenheim	Jo	Research Foundation of the State University of New York	Lifetime Alcohol Exposure and Breast Cancer Risk	Research	OIA	\$1,652,217
117	Gewirtz	David	Virginia Commonwealth University	DNA Cleavage/Repair and Signal Transduction Pathways in Irradiated Breast Tumor Cells	Research	OIA	\$794,497
118	Giger	Maryellen	University of Chicago	Advanced Methods for the Computer-Aided Diagnosis of Lesions in Digital Mammograms	Research	OIA	\$861,062
119	Gjerset	Ruth	Sidney Kimmel Cancer Center	Growth Suppression and Therapy Sensitization of Breast Cancer	Research	OIA	\$777,238
120	Godwin	Andrew	Fox Chase Cancer Center	Identification of Two Candidate Tumor Suppressor Genes on Chromosome 17p13.3: Assessment of Their Roles in Breast and Ovarian Carcinogenesis	Research	OIA	\$776,382
121	Gould	Michael	Regents of the University of Wisconsin	Mechanisms Underlying the Very High Susceptibility of the Immature Mammary Gland to Carcinogenic Initiation	Research	OIA	\$71,844
122	Greene	Mark	University of Pennsylvania	Immunobiological Aspects of erbB Receptors in Breast Cancer	Research	OIA	\$789,491
123	Hardy	Robert	Meharry Medical College (HBC)	Breast Cancer Screening in a Low Income Managed Care Population	Research	OIA	\$579,874
124	Herlyn	Dorothee	Wistar Institute	Targeting Mutated Epidermal Growth Factor Receptor	Research	OIA	\$809,233
125	Hiatt	Robert	Kaiser Foundation Research Institute	Management Options for Women at Potential Risk for Inherited Breast Cancer in a Multi-Ethnic Health Plan Population: A Random Control Trial	Research	OIA	\$814,750
126	Huang	Shi	La Jolla Cancer Research Foundation	The RIZ Gene in Human Breast Cancer	Research	OIA	\$334,993
127	Hylton	Nola	Regents of the University of California	Signal Enhancement Ratios (SERS) in Breast Carcinomas Measured by 3-D Contrast-MRI and Verified by Histopathology	Research	OIA	\$973,785
128	Jaffee	Elizabeth	Johns Hopkins University School of Medicine	Recombinant Vaccine Strategies for Breast Cancer Prevention	Research	OIA	\$685,000
129	John	Esther	Northern California Cancer Center	Racial/Ethnic Differences in Breast Cancer Risk Factors	Research	OIA	\$788,605

U.S. ARMY BREAST CANCER RESEARCH PROGRAM 1995 AWARD LIST

Research Projects

Cnt	PI Name		Institution	Proposal Title	Category	Sub-Category	Final Amount
130	Jones	Beth	Yale University School of Medicine	Race Differences in Breast Cancer Survival	Research	OIA	\$563,588
131	Kandel	Rita	Mount Sinai Hospital	A Cohort Study of the Relationship between c-erbB and Cyclin D1 Overexpression, p53 Mutation and/or Protein Accumulation, and Risk of Progression from Benign Breast Diseases to Breast Cancer; and Creation of a Bank of Benign Breast Tissue	Research	OIA	\$666,719
132	Karnik	Pratima	Cleveland Clinic Foundation	Isolation of Breast Tumor Suppressor Gene(s) from Chromosome 11p	Research	OIA	\$746,980
133	Kelly, Jr.	Thomas	University of Arkansas for Medical Sciences	Role of Seprase in Breast Cancer Invasion	Research	OIA	\$581,475
134	Koeffler	H. Phillip	Cedars-Sinai Medical Center	Anti-Breast Cancer Effects of Vitamin D ₃ Analogs Either Alone or in Combination with Other Agents	Research	OIA	\$809,535
135	Kuhajda	Francis	Johns Hopkins University School of Medicine	Xenograft Studies of Fatty Acid Synthesis Inhibition as Novel Therapy for Breast Cancer	Research	OIA	\$801,125
136	Lala	Peeyush	University of Western Ontario	Nitric Oxide in Mammary Tumor Progression	Research	OIA	\$640,299
137	Lannin	Donald	East Carolina University	Culturally Based Intervention for Breast Cancer in Rural African Americans	Research	OIA	\$909,637
138	Lee	Marietta	University of Miami School of Medicine	Role of Human DNA Polymerase S and Its Accessory Proteins in Breast Cancer	Research	OIA	\$847,006
139	Liu	Edison	University of North Carolina at Chapel Hill	Protein Kinases in Human Breast Carcinoma	Research	OIA	\$798,334
140	Love	Susan	Regents of the University of California	Development of Intraductal Techniques for Breast Cancer Prevention, Diagnosis, and Treatment	Research	OIA	\$579,589
141	Lozano	Guillermina	University of Texas M.D. Anderson Cancer Center	Mdm2 Function in Tumorigenesis	Research	OIA	\$580,682
142	McClellan	Mark	National Bureau of Economic Research	Breast Cancer: Treatments, Outcomes, and Cost-Effectiveness	Research	OIA	\$468,671
143	Melbye	Mads	Statens Seruminstitut	Risk Factors for Breast Cancer and Its Prognosis	Research	OIA	\$486,801
144	Merajver	Sofia	Regents of the University of Michigan	Bilingual Educational Tool for Breast Cancer Genetics	Research	OIA	\$73,642

U.S. ARMY BREAST CANCER RESEARCH PROGRAM 1995 AWARD LIST

Research Projects

Cnt	PI Name		Institution	Proposal Title	Category	Sub-Category	Final Amount
145	Mercurio	Arthur	New England Deaconess Hospital	Function of the Alpha6 Integrins in Breast Carcinoma	Research	OIA	\$811,485
146	Morrow	Gary	University of Rochester	Preventing Fatigue in Women with Breast Cancer Treated with Chemotherapy	Research	OIA	\$805,803
147	Mountford	Carolyn	University of Sydney Institute for Magnetic Resonance Research	Magnetic Resonance Spectroscopy: An Objective Modality to Identify the Pathology of Breast Neoplasms	Research	OIA	\$881,226
148	Mule	James	Regents of the University of Michigan	Breast Cancer Vaccines Based on Dendritic Cells and the Chemokines	Research	OIA	\$798,382
149	Nattinger	Ann	Medical College of Wisconsin	Early Stage Breast Cancer in Older Women: Predictors and Outcomes of Therapy	Research	OIA	\$619,371
150	Nunez	Gabriel	Regents of the University of Michigan	Molecular Analysis of Bcl-x _s -Induced Apoptosis in Breast Cancer	Research	OIA	\$786,064
151	Oredipe	Oladipo	Howard University (HBC)	Potential Amelioration of Major Limiting Toxicities in Intensive High-Dose Chemotherapy of Mammary Tumors	Research	OIA	\$826,019
152	Pasick	Rena	Northern California Cancer Center	Breast Cancer Outreach for Underserved Women: A Randomized Trial and Cost-Effectiveness Analysis	Research	OIA	\$798,821
153	Patel	Yogesh	McGill University	Biology of Somatostatin and Somatostatin Receptors in Breast Cancer	Research	OIA	\$620,268
154	Perez-Soler	Roman	University of Texas M.D. Anderson Cancer Center	Treatment of Metastatic Breast Carcinoma Refractory to Doxorubicin with Liposomal-Anamycin	Research	OIA	\$530,500
155	Perkins	Archibald	Yale University School of Medicine	Mechanisms of Murine Mammary Tumorigenesis: Cooperation between Tyrosine Kinase Receptors and Mutant p53	Research	OIA	\$770,958
156	Petrek	Jeanne	Sloan-Kettering Institute for Cancer Research	Menstrual Cycle Maintenance and Quality of Life after Breast Cancer Treatment: A Prospective Study	Research	OIA	\$988,093
157	Pierce	Lori	Regents of the University of Michigan	The Effect of Radiotherapy upon Primary Human Mammary Epithelial Cells That Harbor a Breast Cancer Susceptibility Gene	Research	OIA	\$149,997
158	Press	Michael	University of Southern California	Molecular Epidemiology of Breast Carcinoma In Situ	Research	OIA	\$1,853,535
159	Price	Janet	University of Texas M.D. Anderson Cancer Center	The Role of Integrins in Breast Cancer Metastasis	Research	OIA	\$343,228

U.S. ARMY BREAST CANCER RESEARCH PROGRAM 1995 AWARD LIST

Research Projects

Cnt	PI Name		Institution	Proposal Title	Category	Sub-Category	Final Amount
160	Rauscher	Frank	Wistar Institute	Characterization of Two Proteins Which Interact with the BRCA1 Gene	Research	OIA	\$800,000
161	Reiss	Michael	Yale University	Transforming Growth Factor-B Receptors in Human Breast Cancer	Research	OIA	\$806,781
162	Robertson	Larry	University of Kentucky Research Foundation	Mechanisms of PCBs-Induced Breast Cancer	Research	OIA	\$518,996
163	Rosenberg	Lynn	Trustees of Boston University	Assessment of the Potential Drug Etiology of Breast Cancer: Analyses of Data from a Case-Control Drug Surveillance Study	Research	OIA	\$139,995
164	Salmon	Sydney	University of Arizona	Breast Cancer Drug Discovery with Combinatorial Chemical Libraries	Research	OIA	\$674,206
165	Schnall	Mitchell	Trustees of the University of Pennsylvania	MRI-Based Screen for Breast Cancer Patients Carrying a Breast Cancer Susceptibility Gene	Research	OIA	\$824,716
166	Schwartz	Edward	Montefiore Medical Center	Design, Synthesis, and Testing of Breast Cancer Angiogenesis Inhibitors	Research	OIA	\$949,554
167	Senie	Ruby	Sloan-Kettering Institute for Cancer Research	Does Subsequent Pregnancy Influence Breast Cancer Survival	Research	OIA	\$517,670
168	Shackleford	Gregory	Childrens Hospital Los Angeles	Identifying Genes in Multistep Mammary Tumorigenesis	Research	OIA	\$632,342
169	Sheffield	Lewis	Regents of the University of Wisconsin	ErbB2 Regulation of c-Src Activity in Breast Cancer	Research	OIA	\$686,811
170	Shi	Yuenian	Long Island Jewish Medical Center	A Novel Tissue Inhibitor of Metalloproteinase, TIMP-4, in Human Breast Cancer Growth and Metastasis	Research	OIA	\$407,000
171	Smith	Steven	Yale University	Structure and Inhibition of the neu/erbB-2 Receptor	Research	OIA	\$366,216
172	Tyner	Angela	University of Illinois at Chicago	A Novel Tyrosine Kinase Expressed in Breast Tumors	Research	OIA	\$699,429
173	Uckun	Fatih	University of Minnesota at Orta	Biotherapy of Breast Cancer with EGF-Genistein	Research	OIA	\$799,462
174	Von Hoff	Daniel	CTRC Research Foundation	DNA Topoisomerase I-Targeted Therapy for Breast Cancer	Research	OIA	\$600,000
175	Wang	Paul	Biomedical NMR Laboratory (HBC)	High Temperature Superconductor RF Probes for Breast Cancer Research	Research	OIA	\$799,757

U.S. ARMY BREAST CANCER RESEARCH PROGRAM 1995 AWARD LIST

Research Projects

Cnt	PI Name		Institution	Proposal Title	Category	Sub-Category	Final Amount
176	Weinberg	Robert	Whitehead Institute for Biomedical Research	Control of the Mammary Cell Cycle Clock by Estrogen and Progesterone	Research	OIA	\$911,824
177	Welch	Danny	Pennsylvania State University Milton S. Hershey Medical Center	Molecular Mechanisms of Metastasis Suppression in Human Breast Cancer	Research	OIA	\$772,960
178	White	Sandra	Duke University Medical Center	Preclinical Studies on the Potential Use of Swainsonine with High Dose Chemotherapy in Humans: Chemoprotective and Hemarestorative Properties	Research	OIA	\$330,438
179	Wyatt	Gwen	Michigan State University	A Subacute Care Intervention for Short-Stay Breast Cancer Surgery	Research	OIA	\$799,558

Glossary of Terms

U.S. Army Breast Cancer Research Program

GLOSSARY OF TERMS

Under Cancer Centers:

Cancer Centers *Cancer Centers*: The goal of this category is to support three geographically-dispersed, dedicated breast cancer centers that will offer new advances in applied research and model systems of health care delivery for breast cancer detection, prevention, treatment, education, and community outreach. These awards support the development and enhancement of patient-oriented care that incorporates strategies for increasing patient accession in clinical trials.

Under Research:

IDEA *Innovative Developmental and Exploratory Awards*: The goal of this category is to stimulate and reward speculative but especially promising and creative ideas that may or may not yield a high payoff. These two-year grants are intended for both new and established scientists from a variety of disciplines who want to explore research topics related to breast cancer but who may lack the sufficient pilot data needed to apply for a traditional research award.

NIA *New Investigator Awards*: These awards are intended to help talented junior investigators obtain their first research grant. Therefore, applicants for research funding compete against one another rather than against seasoned investigators. Through these awards, talented new investigators can expand their research capabilities and enhance their knowledge as preparation for competing for unrestricted awards in the future.

OIA *Other Investigator-Initiated Awards*: Most of this program's research funds are used to support investigator-initiated awards. The goal of this category is to sponsor longer-term, novel research that will result in substantial improvements over today's approach to the prevention, diagnosis, and treatment of breast cancer and will enhance the quality of life for persons afflicted with the disease.

Under Special Mammography:

Demo *Demonstration Projects*: Most of the funds from this Mammography/Breast Imaging area are used
Projects to support demonstration projects. Demonstration projects are multi-disciplinary, multi-institutional efforts resulting in well-defined outcomes that will lead to clinical trials or will result in systems implemented in the routine practice of breast imaging.

IDEA *Innovative Developmental and Exploratory Awards*: The goal of this category is to stimulate and reward speculative but especially promising and creative ideas that may yield a high pay-off in meeting program goals. These two-year grants are intended for both new and established scientists from all disciplines who want to explore research topics related to breast imaging but who may lack the sufficient pilot data needed to apply for a traditional research award.

OIA *Other Investigator-Initiated Awards*: The goal of this category is to sponsor longer-term, novel research in the identified topic areas that will result in substantial improvements over today's approach to breast imaging. It is expected that applicants will include preliminary data as support of the feasibility of their hypotheses.

Under Training:

- CDA** *Career Development Awards*: These awards are intended to encourage individuals who have had adequate postdoctoral training but are not established investigators to pursue a breast cancer related research career. These awards provide salary support and health benefits, freeing recipients from some of their teaching and clinical responsibilities so that they can devote more of their time to research. Such awards provide new investigators with opportunities to accumulate the data and acquire the necessary experience to compete for traditional investigator-initiated awards later in their careers.
- POST** *Postdoctoral Fellowships*: The goal of these fellowships is to enable recent doctoral degree graduates with limited postdoctoral experience (less than five years) either to extend ongoing research related to breast cancer or to broaden the scope of their research to include work relevant to breast cancer. A broad spectrum of research interests in breast cancer is included such as basic, clinical, and public health sciences.
- PREF** *Predoctoral Fellowships*: The goal of these awards is to make direct individual fellowship awards to promising graduate students from eligible institutions. Support is to be used for tuition, expenses, and stipends.

Peer Review Participants

Peer Review participant information provided under contract by United Information Systems, Inc.

1995 Breast Cancer Research Peer Review Participants

PARTICIPANT NAME	DEGREE	DEPARTMENT/INSTITUTION
Abate-Shen, Cory	Ph.D.	Center for Advanced Biotechnology & Medicine, UMDNJ-RW Johnson Medical School
Abboud, Camille N.	M.D.	University of Rochester Medical Center
Abraham, George N.	M.D.	University of Rochester School of Medicine
Abraham, Samuel	Ph.D.	University of California
Abrams, Judith	Ph.D.	Division of Bios & Research Epidemiology, Henry Ford Health Sciences Center
Abul-Hajj, Yusuf J.	Ph.D.	University of Minnesota, College of Pharmacy, Department of Medical Chemistry
Acosta, Daniel	Ph.D.	University of Texas, College of Pharmacy
Adams, Stephen	Ph.D.	Department of Genetic & Cellular Toxicology, Merck Research Laboratories
Adamson, Eileen D.	Ph.D.	La Jolla Cancer Research Foundation
Adler, Dorit D.	M.D.	Department of Radiology, University of Michigan
Allen, William P.	Ph.D.	Executive Secretary
Alsobrook, Jane		Consumer
Andersen, Barbara L.	Ph.D.	Ohio State University
Anderson, Tom	M.D.	Medical College of Wisconsin, Department of Medicine
Andre, Michael P.	Ph.D.	Veterans Affairs Medical Center
Andrykowski, Michael	Ph.D.	Department of Behavioral Science, University of Kentucky College of Medicine
Annunziato, Anthony	Ph.D.	Department of Biology, Boston College
Anton-Culver, Hoda	Ph.D.	University of California Irvine, Irvine College of Medicine
Aplan, Peter D.	M.D.	Department of Pediatrics, Department of Molecular Medicine, Roswell Park Cancer Institute
Ashendel, Curtis L.	Ph.D.	Purdue University

PARTICIPANT NAME	DEGREE	DEPARTMENT/INSTITUTION
Athwal, Raghbir S.	Ph.D.	Temple University School of Medicine, Fels Institute for Cancer Research
Auerbach, Robert	Ph.D.	University of Wisconsin - Madison
Azizkhan, Jane C.	Ph.D.	Department of Experimental Therapeutics, Roswell Park Cancer Institute
Bachur, Nicholas	M.D., Ph.D.	Division of Developmental Therapeutics, University of Maryland, Baltimore
Backenheimer, Mike	Ph.D.	Executive Secretary
Bacus, Sarah S.	Ph.D.	Advanced Cellular Diagnostics, Inc.
Baird, William M.	Ph.D.	Department of Medicinal Chemistry, Purdue University Cancer Center
Baker, Frank	Ph.D.	American Cancer Society
Balke, C. William	M.D.	Department of Medicine, Division of Cardiology, University of Maryland Medical School
Band, Vimla	Ph.D.	New England Medical Center
Barcellos-Hoff, Mary Helen	Ph.D.	Berkeley National Laboratories, University of California
Barker, David	Ph.D.	Department of Physiology, University of Utah
Barratt, Ernest S.	Ph.D.	University of Texas
Barry, Peter	Ph.D.	Department of Medical Pathology, University of California-Davis
Barton, Michelle (Shelley)	Ph.D.	Department of Molecular Genetics, University of Cincinnati
Bartos, Edwin M.	Ph.D.	Executive Secretary
Bartow, Sue A.	M.D.	Department of Laboratory Medicine & Pathology, University of Minnesota
Basu, Alakananda	Ph.D.	University of Pittsburgh, School of Medicine
Baxter, Diane	Ph.D.	Department of Anthropology, George Washington University
Bean, William J.	Ph.D.	Executive Secretary
Beard, David Volk	Ph.D.	College of Business, Idaho State University
Becker, Julie	M.A.	Consumer

PARTICIPANT NAME	DEGREE	DEPARTMENT/INSTITUTION
Begg, Lisa	Dr. P.H., R.N.	Allegheny Cancer Center, Pittsburgh
Beidle, Thomas	M.D.	Louisiana State University Medical Center
Belli, James A.	M.D.	The University of Texas Medical Branch
Bemis, Lynne T.	Ph.D.	Division of Laboratory Research, AMC Cancer Research Center
Benedict, Stephen	Ph.D.	Department of Pharmacy & Toxicology, University of Kansas
Bennett, James A.	Ph.D.	Albany Medical College
Bennett, Michael	M.D.	University of Texas, Southwestern Medical Center
Benson III, Al Bowen	M.D.	Division of Hematology & Oncology, Northwestern University
Benz, Christopher	M.D.	Cancer Research Institute, University of California
Berbaum, Kevin S.	Ph.D.	Department of Radiology, University of Iowa
Berg, Wendie A.	M.D., Ph.D.	University of Maryland Medical Center
Bergeron, Jr., Raymond J.	Ph.D.	J. Hillis Miller/Medicinal Chemistry, University of Florida
Bergstrom, Donald E.	Ph.D.	Department of Medicinal Chemistry & Pharmacognosy
Berkel, Hans J.	M.D., Ph.D.	Louisiana State University Medical Center
Berman, Howard	M.S.	Executive Secretary
Bernacki, Ralph	Ph.D.	Grace Cancer Drug Center, Roswell Park Memorial Institute
Bertram, John Scott	Ph.D.	Cancer Research Center, University of Hawaii
Berwick, Marianne	Ph.D.	Sloan-Kettering Institute for Cancer Research
Bielat, Kenneth	Ph.D.	SUNY of Buffalo, Roswell Park Cancer Institute, Department of Pathology
Bird, Richard Curtis	Ph.D.	Auburn University, Department of Pathobiology
Bitran, Jacob D.	Ph.D.	University of Chicago School of Medicine, Lutheran General Hospital
Black, Maurice M.	M.D.	New York Medical College

PARTICIPANT NAME	DEGREE	DEPARTMENT/INSTITUTION
Blackwell, Thomas Keith	M.D., Ph.D.	Harvard Medical School, Center for Blood Research, Inc.
Blair, Geri		Consumer
Blair, Harry	M.D.	University of Alabama
Blank, Kenneth	Ph.D.	Department of Pathology, Hahnemann University
Blood, Christine	Ph.D.	Schering-Plough Research Institute
Bloom, Joan	Ph.D.	University of California at Berkeley
Bockman, Dale E.	Ph.D.	Department of Cellular Biology & Anatomy, Medical College of GA
Bolander, Franklyn F.	M.D.	Biology Department, University of South Carolina
Boone, John M.	Ph.D.	Department of Radiology, University of California-Davis Medical Center
Borek, Carmia	Ph.D.	Tufts University School of Medicine
Borsch, Richard F.	M.D., Ph.D.	University of Rochester Medical School, Department of Pharmacology & Chemistry
Bothwell, Alfred	Ph.D.	Yale Medical School
Bourguignon, Lilly Y.W.	Ph.D.	Department of Cell Biology & Anatomy, University of Miami Medical School
Bowcock, Anne M.	Ph.D.	McDermott Center for Growth & Development, University of Texas Southwestern Medical Center at Dallas
Bowers, Kathy		Consumer
Brattain, Michael G.	Ph.D.	Medical College of Ohio, Biochemistry & Molecular Biology Department
Bray, June D.	R.N., Ph.D.	Social & Scientific Systems, Community Program for Clinical Research on AIDS, Arlington, VA
Bray-Ward, Patricia	Ph.D.	Department of Genetics, Yale School of Medicine
Breekland, Judith		Consumer
Brem, Linda	B.A.	Consumer

PARTICIPANT NAME	DEGREE	DEPARTMENT/INSTITUTION
Brem, Rachel F.	M.D.	Johns Hopkins University School of Medicine
Brenner, Barbara	J.D.	Consumer
Brent, Thomas P.	Ph.D.	Department of Pharmacology, St. Jude Children's Research Hospital
Brodie, Harry J.	Ph.D.	Executive Secretary
Brody, Lawrence	Ph.D.	National Center for Human Genome Research, NIH
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Byrd, Nancy		Consumer
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PARTICIPANT NAME	DEGREE	DEPARTMENT/INSTITUTION
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Carothers, Adelaide M.	Ph.D.	Columbia University
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Cauley, Jane	Ph.D.	University of Pittsburgh
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PARTICIPANT NAME	DEGREE	DEPARTMENT/INSTITUTION
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Conant, Emily Fox	M.D.	Department of Radiology, Thomas Jefferson University Hospital
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